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OM nucleic - nucleic search, using sw model

Run on: October 30, 2003, 11:59:00 (Search time 58 Seconds  
(without alignments)  
3622.386 Million cell updates/sec

Title: US-09-806-302a-1

Perfect score: 1 acagctgcacacacacacact.....ccatcattccattcca 476

Scoring table: IDENTITY\_NUC  
Gapop 10.0, Gapext 1.0

Searched: 569978 segs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database :  
Issued Patents NA: \*  
1: /cgn2\_6/prodata/1/ina/5A\_COMB.seq: \*  
2: /cgn2\_6/prodata/1/ina/5B\_COMB.seq: \*  
3: /cgn2\_6/prodata/1/ina/6A\_COMB.seq: \*  
4: /cgn2\_6/prodata/1/ina/6B\_COMB.seq: \*  
5: /cgn2\_6/prodata/1/ina/6C\_COMB.seq: \*  
6: /cgn2\_6/prodata/1/ina/backfiles1.seq: \*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	476	100.0	476	3	US-08-821-451A-5
2	476	100.0	476	3	US-09-263-810-5
3	476	100.0	476	4	US-09-583-168-5
4	223.8	47.0	485	4	US-08-969-987-5
5	223.8	47.0	503	1	US-08-455-896-1
6	223.8	47.0	503	2	US-08-933-149-1
7	223.8	47.0	503	2	US-09-082-343-1
8	223.8	47.0	503	3	US-09-082-253-1
9	223.8	47.0	503	4	US-09-162-622-1
10	223.8	47.0	503	5	PCT-US96-08235-1
11	223.8	47.0	535	4	US-09-215-818-1
12	223.8	47.0	535	4	US-09-467-602A-1
13	201.2	42.3	403	1	US-08-455-896-5
14	201.2	42.3	403	2	US-08-933-149-5
15	201.2	42.3	403	2	US-09-082-343-5
16	201.2	42.3	403	3	US-09-082-253-5
17	201.2	42.3	403	4	US-09-162-622-5
18	201.2	42.3	403	5	PCT-US96-08235-5
19	153.4	32.2	279	4	US-09-162-622-15
20	153.4	32.2	1233	4	US-09-620-405B-492
21	153.4	32.2	2232	4	US-09-620-405B-491
22	153.4	32.2	3288	4	US-09-620-405B-490
23	140.2	29.5	356	4	US-09-389-681-217
24	140.2	29.5	356	4	US-09-620-405B-217
25	140.2	29.5	356	4	US-09-339-338-217
26	140.2	29.5	356	4	US-09-433-825B-217
27	140.2	29.5	356	4	US-09-604-287A-217

28	122.4	25.7	511	4	US-09-389-681-182	Sequence 182, App
29	122.4	25.7	511	4	US-09-620-405B-182	Sequence 182, App
30	122.4	25.7	511	4	US-09-339-338-182	Sequence 182, App
31	122.4	25.7	511	4	US-09-433-826B-182	Sequence 182, App
32	122.4	25.7	511	4	US-09-604-287A-182	Sequence 182, App
33	57.2	12.0	206	1	US-08-455-896-6	Sequence 6, App1
34	57.2	12.0	206	2	US-08-933-149-6	Sequence 6, App1
35	57.2	12.0	206	2	US-09-082-343-6	Sequence 6, App1
36	57.2	12.0	206	3	US-09-082-253-6	Sequence 6, App1
37	57.2	12.0	206	4	US-09-162-622-6	Sequence 6, App1
38	57.2	12.0	206	5	PCT-US96-08235-6	Sequence 6, App1
39	33	6.9	2685	3	US-09-061-768A-1	Sequence 6, App1
40	32.6	6.8	35524	3	US-08-923-137-1	Sequence 12, App1
41	31.4	6.6	1528	1	US-08-459-586-12	Sequence 12, App1
42	31.4	6.6	1528	2	US-08-282-696-12	Sequence 12, App1
43	31.4	6.6	2047	3	US-08-836-261A-1	Sequence 12, App1
44	31.4	6.6	2489	1	US-08-459-586-1	Sequence 1, App1
45	31.4	6.6	2489	2	US-08-282-696-1	Sequence 1, App1

## ALIGNMENTS

```

RESULT 1
US-08-821-451A-5
; Sequence 5, Application US/08821451A
; Patent No. 6066724
; GENERAL INFORMATION:
; APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Genz
; TITLE OF INVENTION: Human Endometrial Specific Steroid-
; TITLE OF INVENTION: Binding Factor I, II and III
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CECCHI, BYRNE, BAIN, GILLILIAN,
; ADDRESS: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/821,451A
; FILING DATE: March 21, 1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/014,724
; FILING DATE: March 21, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: MULLINS, J.G.
; REGISTRATION NUMBER: 33,073
; REFERENCE/DOCKET NUMBER: 325800-521 (PF257)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 476 BASE PAIRS
; TYPE: NUCLEIC ACID
; STRANDEDNESS: SINGLE
; TOPOLOGY: LINEAR
; MOLECULE TYPE: cDNA
; US-08-821-451A-5
Query Match 100.0%; Score 476; DB 3; Length 476;
Best Local Similarity 100.0%; Pred.No. 1.3e-141;
Matches 476; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ACAGCTGCACACACACTGAACACACAGACGCGCCCTCGCATGAAGCTGTGATG 60

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Db      1  ACCAGTGCACGACGACTGAACACACAGAGCCGCTCCGCAATGAAGCTGCTGAG 60
Qy      61  GTCTCATCTGCGCGCCCTCTCTGCACTGTATGCAAGTTCTGGCTGCAAACTCTG 120
Db      61  GTCTCATCTGCGCGCCCTCTCTGCACTGTATGCAAGTTCTGGCTGCAAACTCTG 120
Qy      121  GAGGACATGTTGAAAAGACCATCAATTCGACATCTTACTGAAATCAAAAGCTT 180
Db      121  GAGGACATGTTGAAAAGACCATCAATTCGACATCTTACTGAAATCAAAAGCTT 180
Qy      181  CTTCAAGAGTTGATAGACAGTATGCGCTGCAAGGCTATGGGAAATTCAGACAGT 240
Db      181  CTTCAAGAGTTGATAGACAGTATGCGCTGCAAGGCTATGGGAAATTCAGACAGT 240
Qy      241  TTCTCAACCACTGACATGAACTGTGAAAACCTTGAGATGATGATGATGATGAT 300
Db      241  TTCTCAACCACTGACATGAACTGTGAAAACCTTGAGATGATGATGATGATGAT 300
Qy      301  GACAGCATTGGTGTATATGAAAGATTAATTACTTTACCAAGCGTTTGGCTCAGAG 360
Db      301  GACAGCATTGGTGTATATGAAAGATTAATTACTTTACCAAGCGTTTGGCTCAGAG 360
Qy      361  GCTACAGACTATGGCCAGAACTCATCTGTGATTTGCTAGAAACCACTTTCTTGT 420
Db      361  GCTACAGACTATGGCCAGAACTCATCTGTGATTTGCTAGAAACCACTTTCTTGT 420
Qy      421  GCTTTTATGTGGGAAGCTGTAGACAACTGTGAAACCTCAATTCCATTTC 476
Db      421  GCTTTTATGTGGGAAGCTGTAGACAACTGTGAAACCTCAATTCCATTTC 476

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## RESULT 2

US-09-263-810-5  
Sequence 5, Application US/09263810  
Patent No. 6174992

## GENERAL INFORMATION:

APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Genz  
TITLE OF INVENTION: Human Endometrial Specific Steroid-  
TITLE OF INVENTION: Binding Factor I, II and III  
NUMBER OF SEQUENCES: 27

## CORRESPONDENCE ADDRESS:

ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,  
ADDRESSEE: CECCHI, STEWART & OLSTEIN  
STREET: 6 BECKER FARM ROAD  
CITY: ROSELAND  
STATE: NEW JERSEY  
COUNTRY: USA  
ZIP: 07068

## COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 INCH DISKETTE  
COMPUTER: IBM PS/2  
OPERATING SYSTEM: MS-DOS  
SOFTWARE: WORD PERFECT 5.1  
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/263,810  
FILING DATE:

5/8/99

## CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/821,451

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: MULLINS, J.G.  
REGISTRATION NUMBER: 33,073

REFERENCE/DOCKET NUMBER: 325800-521 (P257)

TELECOMMUNICATION INFORMATION:

TELEPHONE: 201-994-1700

TELEFAX: 201-994-1744

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 476 BASE PAIRS

TYPE: NUCLEIC ACID

STRANDEDNESS: SINGLE

TOPOLOGY: LINEAR  
MOLECULE TYPE: CDNA  
US-09-263-810-5

## Query Match

Best Local Similarity 100.0%; Score 476; DB 3; Length 476;  
Pred. No. 1,3e-144;  
Matches 476; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1  ACCAGTGCACGACGACTGAACACACAGAGCCGCTCCGCAATGAAGCTGCTGAG 60
Db      1  ACCAGTGCACGACGACTGAACACACAGAGCCGCTCCGCAATGAAGCTGCTGAG 60
Qy      61  GTCTCATCTGCGCGCCCTCTCTGCACTGTATGCAAGTTCTGGCTGCAAACTCTG 120
Db      61  GTCTCATCTGCGCGCCCTCTCTGCACTGTATGCAAGTTCTGGCTGCAAACTCTG 120
Qy      121  GAGGACATGTTGAAAAGACCATCAATTCGACATCTTACTGAAATCAAAAGCTT 180
Db      121  GAGGACATGTTGAAAAGACCATCAATTCGACATCTTACTGAAATCAAAAGCTT 180
Qy      181  CTTCAAGAGTTGATAGACAGTATGCGCTGCAAGGCTATGGGAAATTCAGACAGT 240
Db      181  CTTCAAGAGTTGATAGACAGTATGCGCTGCAAGGCTATGGGAAATTCAGACAGT 240
Qy      241  TTCTCAACCACTGACATGAACTGTGAAAACCTTGAGATGATGATGATGATGAT 300
Db      241  TTCTCAACCACTGACATGAACTGTGAAAACCTTGAGATGATGATGATGATGAT 300
Qy      301  GACAGCATTGGTGTATATGAAAGATTAATTACTTTACCAAGCGTTTGGCTCAGAG 360
Db      301  GACAGCATTGGTGTATATGAAAGATTAATTACTTTACCAAGCGTTTGGCTCAGAG 360
Qy      361  GCTACAGACTATGGCCAGAACTCATCTGTGATTTGCTAGAAACCACTTTCTTGT 420
Db      361  GCTACAGACTATGGCCAGAACTCATCTGTGATTTGCTAGAAACCACTTTCTTGT 420
Qy      421  GCTTTTATGTGGGAAGCTGTAGACAACTGTGAAACCTCAATTCCATTTC 476
Db      421  GCTTTTATGTGGGAAGCTGTAGACAACTGTGAAACCTCAATTCCATTTC 476

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## RESULT 3

US-09-583-169-5  
Sequence 5, Application US/09583169  
Patent No. 6338948

## GENERAL INFORMATION:

APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Genz  
TITLE OF INVENTION: Human Endometrial Specific Steroid-  
TITLE OF INVENTION: Binding Factor I, II and III  
NUMBER OF SEQUENCES: 27

## CORRESPONDENCE ADDRESS:

ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,  
ADDRESSEE: CECCHI, STEWART & OLSTEIN  
STREET: 6 BECKER FARM ROAD  
CITY: ROSELAND  
STATE: NEW JERSEY  
COUNTRY: USA  
ZIP: 07068

## COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 INCH DISKETTE  
COMPUTER: IBM PS/2  
OPERATING SYSTEM: MS-DOS  
SOFTWARE: WORD PERFECT 5.1  
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/583,169  
FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/821,451

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: MULLINS, J.G.  
REGISTRATION NUMBER: 33,073

5/30/00



OY 425 TTTATGTGGAACTGCTAGACAACTTTGAAACCT 459  
DB 421 TTTACTACAACTACAGACAACTTTGAAACCT 455

## RESULT 5

US-08-455-896-1  
Sequence 1, Application US/08455896  
Patent No. 568267  
GENERAL INFORMATION:  
APPLICANT: WATSON, MARK A.  
APPLICANT: FLEMING, TIMOTHY P.  
TITLE OF INVENTION: DNA SEQUENCE AND ENCODED  
NUMBER OF INVENTION: MAMMARY-SPECIFIC BREAST CANCER PROTEIN  
NUMBER OF SEQUENCES: 13  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: ROGERS, HOWELL & HAFERKAMP  
STREET: 7733 FORSYTH BOULEVARD, SUITE 1400  
CITY: ST. LOUIS  
STATE: MISSOURI  
COUNTRY: USA  
ZIP: 63105-1817  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/455,896  
FILING DATE:  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: HOLLAND, DONALD R.  
REGISTRATION NUMBER: 35,197  
REFERENCE/DOCKET NUMBER: 952726  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (314) 727-6092  
TELEFAX: (314) 727-5188  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 503 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA to mRNA  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
US-08-455-896-1

Query Match 47.0%; Score 223.8; DB 1; Length 503;  
Best Local Similarity 71.4%; Pred. No. 1.9e-61;  
Matches 325; Conservative 0; Mismatches 122; Indels 8; Gaps 2;  
OY 7 TGGCAGCAGCACTGATGACAGACAGACGCGCTCGCATGAAGCTGCTGATGCTCTC 66  
DB 22 TGGCAGCAGCAGCTGATGACAGACAGACGCGCTCGCATGAAGCTGCTGATGCTCTC 81  
OY 67 ATGCTGGCGGCGCTCTCTCTGCTGCTATGCAATTTCTGGCTGCAAACTCTCGAGGAC 126  
DB 82 ATGCTGGCGGCGCTCTCTCTGCTGCTATGCAATTTCTGGCTGCAAACTCTCGAGGAC 141  
OY 127 ATGCTGAAAGACATCAATTCGACATATCTATACCTGATCAAGAGCTTTCTTCA 186  
DB 142 GTGATTTCCAGACATCAATTCGACATATCTATACCTGATCAAGAGCTTTCTTCA 201  
OY 187 GAGTTATAGACAGTATCCGCTGCAAGGCTATGGGAAATTCAGAGCTGTTCTTC 246  
DB 202 GAGTTATAGACAGCAATGCACTCAATGCAATAGTAGAATTTGAAGGATGTTTCTT 261  
OY 247 AACCAAGCATGAGACTGTGAAAACTTTGGACATGATGCTATACAGTGTGACAGC 306  
DB 262 AACCAAGCATGAGACTGTGAAAACTTTGGACATGATGCTATACAGTGTGACAGC 321

OY 307 ATTTGCTATATGAGAGATATTAATTACCTTACCAGGCGTTGGCTGAGGGCTACA 366  
DB 322 AGCTTTTGATTT-----ATTTAACTTTGCAAGACCTTTGGCTGACGAACCTGA 375  
OY 367 GACTATGCGCAGAACTCACTGTGATGCTAGAAAC--CACTTTCTTTGTTGCTT 424  
DB 376 GGGATGCGGAGAAACCAACTAGGATTTGCTGCAACCAACACTTCTTTCTTATGCT 435  
OY 425 TTTATGTGGAACTGCTAGACAACTTTGAAACCT 459  
DB 436 TTTACTACAACTACAGACAACTTTGAAACCT 470

## RESULT 6

US-08-933-149-1  
Sequence 1, Application US/08933149  
Patent No. 5922836  
GENERAL INFORMATION:  
APPLICANT: WATSON, MARK A.  
APPLICANT: FLEMING, TIMOTHY P.  
TITLE OF INVENTION: MAMMAGLOBIN, A SECRETED  
NUMBER OF INVENTION: MAMMARY SPECIFIC BREAST CANCER PROTEIN  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: HOWELL & HAFERKAMP, L.C.  
STREET: 7733 FORSYTH BOULEVARD, SUITE 1400  
CITY: ST. LOUIS  
STATE: MISSOURI  
COUNTRY: USA  
ZIP: 63105-1817  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/933,149  
FILING DATE:  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: HENDERSON, MELODIE W.  
REGISTRATION NUMBER: 37,848  
REFERENCE/DOCKET NUMBER: 6029-6040  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (314) 727-5188  
TELEFAX: (314) 727-6092  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 503 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA to mRNA  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
US-08-933-149-1

Query Match 47.0%; Score 223.8; DB 2; Length 503;  
Best Local Similarity 71.4%; Pred. No. 1.9e-61;  
Matches 325; Conservative 0; Mismatches 122; Indels 8; Gaps 2;  
OY 7 TGGCAGCAGCACTGATGACAGACAGACGCGCTCGCATGAAGCTGCTGATGCTCTC 66  
DB 22 TGGCAGCAGCAGCTGATGACAGACAGACGCGCTCGCATGAAGCTGCTGATGCTCTC 81  
OY 67 ATGCTGGCGGCGCTCTCTCTGCTGCTATGCAATTTCTGGCTGCAAACTCTCGAGGAC 126  
DB 82 ATGCTGGCGGCGCTCTCTCTGCTGCTATGCAATTTCTGGCTGCAAACTCTCGAGGAC 141  
OY 127 ATGCTGAAAGACCATCAATTCGACATATCTATACCTGATCAAGAGCTTTCTTCA 186  
DB 142 GTGATTTCCAGACATCAATTCGACATATCTATACCTGATCAAGAGCTTTCTTCA 201

RESULT 7 -1  
 US-09-082-143-1  
 ; Sequence 1, Application US/09082343  
 ; Patent No. 5968754  
 ; GENERAL INFORMATION:  
 ; APPLICANT: WATSON, MARK A.  
 ; APPLICANT: FLEMING, TIMOTHY P.  
 ; TITLE OF INVENTION: DNA SEQUENCE AND ENCODED  
 ; TITLE OF INVENTION: MAMMARY-SPECIFIC BREAST  
 ; MAMMARY-SPECIFIC BREAST CANCER PROTEIN  
 ; NUMBER OF SEQUENCES: 13  
 ; CORRESPONDENCE ADDRESS:

Query Match	47.0%;	Score 223.8;	DB 2;	Length 503;
Best Local Similarity	71.4%;	Pred. No. 1.9e-61;		
Matches 325; Conservative	0;	Mismatches 122;	Indels 8;	Gaps 2;

RESULT 8  
 US-09-082-253-1  
 Sequence 1, Application US/09082253  
 Patent No. 6004756  
 GENERAL INFORMATION:  
 APPLICANT: WATSON, MARK A.  
 APPLICANT: FLEMING, TIMOTHY P.  
 TITLE OF INVENTION: DNA SEQUENCE AND ENCODED  
 TITLE OF INVENTION: MAMMARY-SPECIFIC BREAST CANCER PROTEIN  
 NUMBER OF SEQUENCES: 13  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: ROGERS, HOWELL & HAFERKAMP  
 STREET: 7733 FORSYTH BOULEVARD, SUITE 1400  
 CITY: ST. LOUIS  
 STATE: MISSOURI  
 COUNTRY: USA  
 ZIP: 63105-1817  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/082,253  
 FILING DATE:  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/455,896  
 FILING DATE: 05/31/1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: HOLLAND, DONALD R.  
 REGISTRATION NUMBER: 35,197  
 REFERENCE/DOCKET NUMBER: 952726  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (314) 727-5188  
 TELEFAX: (314) 727-6092  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 503 base pairs  
 TYPE: nucleic acid

STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA to mRNA  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 US-09-082-253-1

Query Match 47.0%; Score 223.8; DB 3; Length 503;  
 Best Local Similarity 71.4%; Pred. No. 1.9e-61;  
 Matches 325; Conservative 0; Mismatches 122; Indels 8; Gaps 2;

QY 7 TGGCAGCAGCAGTGAACAGACAGCAGCGCCCTGCCATGAGCTGTGATGTCCTC 66  
 DB 22 TGGCAGCCCGCAGTGAACAGCAGCAGCAGCGCTCAACATGAAGTTGGTGGTCTC 81  
 QY 67 ATGCTGGGGGCGCCCTCTCTCTGACCTGATGCAATCTGGCTGCAAACTCCGAGAGAC 126  
 DB 82 ATGCTGGGGGCGCCCTCTCTCTGACCTGATGCAATCTGGCTGCAAACTCCGAGAGAT 141  
 QY 127 ATGCTGAAAAGACATCAATTCGACATATCTATACCTGATACAAAGAGCTTCTCA 186  
 DB 142 GTGATTTCCAGACATCAATTCGACATATCTATACCTGATACAAAGAGCTTCTCA 201  
 QY 187 GACTATAGACAGTATGCGGCTGACAGGCTATGGGAAATTCAGAGCTGTTCTC 246  
 DB 202 GAGTTATAGACAGTATGCGGCTGACAGGCTATGGGAAATTCAGAGCTGTTCTC 261  
 QY 247 AACCACTCATAGAACTCTGAAAACTTGGAGTATGATGCAATGATGACAGC 306  
 DB 262 AACCAAGGATGAACCTCTGAGCAATGTGAGGTGTTATGCAATTAATATGACAGC 321  
 QY 307 ATTGGTGAATATGAGAGTAAATTAATTAACCAAGGCTTGGCTGAGGCTGACA 366  
 DB 322 AGCTTTTGTGATTT-----ATTTAACTTCTGTGAGAGCTTTGGCTGACAGACTGCA 375  
 QY 367 GACTATGGCCAGAACTCATCTGTGATGCTAGAAAC--CACTTTCTTCTTGTGCTT 424  
 DB 376 GGGTATGGTGAAGAACCAACTACGATGCTGCAAAACACACCTTCTTCTTATGCT 435  
 QY 425 TTATATGGGAAGCTGCTAGACAACTGTGAAACCT 459  
 DB 436 TTTTACTACAACTACAGACAACTGTTGAAACCT 470

# RESULT 9

US-09-162-622-1

Sequence 1, Application US/09162622

Patent No. 6566072

GENERAL INFORMATION:

APPLICANT: WATSON, MARK A

APPLICANT: FLEMING, TIMOTHY P

TITLE OF INVENTION: Mammary-specific A Secreted Mammary-Specific Breast Cancer

FILE REFERENCE: 6029-5134

CURRENT APPLICATION NUMBER: US/09/162,622

EARLIER FILING DATE: 1998-09-29

EARLIER APPLICATION NUMBER: 08/933,149

EARLIER FILING DATE: 1997-09-18

EARLIER APPLICATION NUMBER: PCT/US96/08235

EARLIER FILING DATE: 1996-05-31

EARLIER APPLICATION NUMBER: 08/455,896

NUMBER OF SEQ ID NOS: 21

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 1

LENGTH: 503

TYPE: DNA

ORGANISM: Homo sapiens

US-09-162-622-1

Query Match 47.0%; Score 223.8; DB 4; Length 503;  
 Best Local Similarity 71.4%; Pred. No. 1.9e-61;  
 Matches 325; Conservative 0; Mismatches 122; Indels 8; Gaps 2;

QY 7 TGGCAGCAGCAGTGAACAGACAGCAGCGCCCTGCCATGAGCTGTGATGTCCTC 66  
 DB 22 TGGCAGCCCGCAGTGAACAGCAGCAGCAGCGCTCAACATGAAGTTGGTGGTCTC 81  
 QY 67 ATGCTGGGGGCGCCCTCTCTCTGACCTGATGCAATCTGGCTGCAAACTCCGAGAGAC 126  
 DB 82 ATGCTGGGGGCGCCCTCTCTCTGACCTGATGCAATCTGGCTGCAAACTCCGAGAGAT 141  
 QY 127 ATGCTGAAAAGACATCAATTCGACATATCTATACCTGATACAAAGAGCTTCTCA 186  
 DB 142 GTGATTTCCAGACATCAATTCGACATATCTATACCTGATACAAAGAGCTTCTCA 201  
 QY 187 GACTATAGACAGTATGCGGCTGACAGGCTATGGGAAATTCAGAGCTGTTCTC 246  
 DB 202 GAGTTATAGACAGTATGCGGCTGACAGGCTATGGGAAATTCAGAGCTGTTCTC 261  
 QY 247 AACCACTCATAGAACTCTGAAAACTTGGAGTATGATGCAATGATGACAGC 306  
 DB 262 AACCAAGGATGAACCTCTGAGCAATGTGAGGTGTTATGCAATTAATATGACAGC 321  
 QY 307 ATTGGTGAATATGAGAGTAAATTAATTAACCAAGGCTTGGCTGAGGCTGACA 366  
 DB 322 AGCTTTTGTGATTT-----ATTTAACTTCTGTGAGAGCTTTGGCTGACAGACTGCA 375  
 QY 367 GACTATGGCCAGAACTCATCTGTGATGCTAGAAAC--CACTTTCTTCTTGTGCTT 424  
 DB 376 GGGTATGGTGAAGAACCAACTACGATGCTGCAAAACACACCTTCTTCTTATGCT 435  
 QY 425 TTATATGGGAAGCTGCTAGACAACTGTGAAACCT 459  
 DB 436 TTTTACTACAACTACAGACAACTGTTGAAACCT 470

# RESULT 10

PCT-US96-08235-1

Sequence 1, Application PC/TUS9608235

GENERAL INFORMATION:

APPLICANT: WATSON, MARK A

APPLICANT: FLEMING, TIMOTHY P

TITLE OF INVENTION: DNA SEQUENCE AND ENCODED

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESSES:

ADDRESSEE: ROGERS, HOWELL & HAFERKAMP

STREET: 7733 FORSYTH BOULEVARD, SUITE 1400

CITY: ST. LOUIS

STATE: MISSOURI

COUNTRY: USA

ZIP: 63105-1817

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: IBM PC compatible

SOFTWARE: PatentIn Release #1.0, Version #1.25

APPLICATION NUMBER: PCT/US96/08235

FILING DATE:

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: HOLLAND, DONALD R.

REGISTRATION NUMBER: 35,197

REFERENCE/DOCKET NUMBER: 964796

TELECOMMUNICATION INFORMATION:

TELEPHONE: (314) 727-5188

TELEFAX: (314) 727-6092

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 503 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA to mRNA

HYPOTHETICAL: NO  
ANTI-SENSE: NO  
PCT-US96-08235-1

Query Match 47.0%; Score 223.8; DB 5; Length 503;  
Best Local Similarity 71.4%; Pred. No. 1.9e-61;  
Matches 325; Conservative 0; Mismatches 122; Indels 8; Gaps 2;

7 TGCACGCAAGCACTGAACACAGACGAGCGCCCTGCGCATGAAGCTGTGATGCTCTC 66  
22 TGCACCGCGGACCTGAACACAGACGAGCGCCCTGCGCATGAAGCTGTGATGCTCTC 81  
67 ATGCTGGCGCCCTCTCTCTGCACTGTATGAGATTTGGCTGCAACTCTTGAGAGAC 126  
82 ATGCTGGCGCCCTCTCTCTGCACTGTATGAGATTTGGCTGCAACTCTTGAGAGAT 141  
127 ATGCTGGCGCCCTCTCTCTGCACTGTATGAGATTTGGCTGCAACTCTTGAGAGAT 186  
142 GTGATTTCCAGCAATCAATCAAGCTGTATGAGATTTGGCTGCAACTCTTGAGAGAT 201  
187 GAGTTCAATGACAGTATGCGCGCTGAGAGCTATGAGAGATTTGAGAGATTTGCTCTC 246  
202 GAGTTCAATGACAGTATGCGCGCTGAGAGCTATGAGAGATTTGAGAGATTTGCTCTC 261  
247 ACCGAGCATGATGATCTGCAAACTTTGAGAGATTTGAGAGATTTGAGAGATTTGCTCTC 306  
262 AACCAACGATGATGATCTGCAAACTTTGAGAGATTTGAGAGATTTGAGAGATTTGCTCTC 321  
307 ATTTGGTATATGAGAGATTTGAGAGATTTGAGAGATTTGAGAGATTTGAGAGATTTGCTCTC 366  
322 AGCTTTGTGATTT-----ATTTAATTTCTGCAAGACCTTTGGCTCAGAGAGCTGCA 375  
367 GAGTATGCGCAAGCACTGATCTGTGATTTGAGAGATTTGAGAGATTTGAGAGATTTGCTCTC 424  
376 GGGTATGAGTGAAGCAAGCACTGATGAGATTTGAGAGATTTGAGAGATTTGAGAGATTTGCTCTC 435  
425 TTTATGCGCACTGCTGACAACTGTTGAAACCT 459  
436 TTTTACTACAACTACAGACAACTGTTGAAACCT 470

RESULT 11  
US-09-215-818-1  
Sequence 1, Application US/09215818A  
Patent No. 6379671  
GENERAL INFORMATION:  
APPLICANT: Colpites, Tracey  
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR  
FILE REFERENCE: 5972 US P2  
CURRENT APPLICATION NUMBER: US 09/215, 818A  
PRIOR FILING DATE: 1998-12-18  
PRIOR APPLICATION NUMBER: 08/912,276  
PRIOR FILING DATE: 1997-08-17  
PRIOR APPLICATION NUMBER: 08/697,105  
PRIOR FILING DATE: 1996-08-19  
PRIOR APPLICATION NUMBER: 08/912,149  
PRIOR FILING DATE: 1997-08-15  
PRIOR APPLICATION NUMBER: 08/697,106  
PRIOR FILING DATE: 1996-08-19  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 1  
LENGTH: 535  
TYPE: DNA  
ORGANISM: Homo Sapiens  
US-09-215-818-1

Query Match 47.0%; Score 223.8; DB 4; Length 535;  
Best Local Similarity 71.4%; Pred. No. 2e-61;  
Matches 325; Conservative 0; Mismatches 122; Indels 8; Gaps 2;  
7 TGCACGCAAGCACTGAACACAGACGAGCGCCCTGCGCATGAAGCTGTGATGCTCTC 66

43 TGCACCGCGGACCTGAACACAGACGAGCGCCCTGCGCATGAAGCTGTGATGCTCTC 102  
67 ATGCTGGCGCCCTCTCTCTGCACTGTATGAGATTTGGCTGCAACTCTTGAGAGAC 126  
103 ATGCTGGCGCCCTCTCTCTGCACTGTATGAGATTTGGCTGCAACTCTTGAGAGAT 162  
127 ATGCTGGCGCCCTCTCTCTGCACTGTATGAGATTTGGCTGCAACTCTTGAGAGAT 186  
163 GTGATTTCCAGCAATCAATCAAGCTGTATGAGATTTGGCTGCAACTCTTGAGAGAT 222  
187 GAGTTCAATGACAGTATGCGCGCTGAGAGCTATGAGAGATTTGAGAGATTTGCTCTC 246  
223 GAGTTCAATGACAGTATGCGCGCTGAGAGCTATGAGAGATTTGAGAGATTTGCTCTC 262  
247 ACCGAGCATGATGATCTGCAAACTTTGAGAGATTTGAGAGATTTGAGAGATTTGCTCTC 306  
283 AACCAACGATGATGATCTGCAAACTTTGAGAGATTTGAGAGATTTGAGAGATTTGCTCTC 342  
307 ATTTGGTATATGAGAGATTTGAGAGATTTGAGAGATTTGAGAGATTTGAGAGATTTGCTCTC 366  
343 AGCTTTGTGATTT-----ATTTAATTTCTGCAAGACCTTTGGCTCAGAGAGCTGCA 396  
367 GAGTATGCGCAAGCACTGATCTGTGATTTGAGAGATTTGAGAGATTTGAGAGATTTGCTCTC 424  
397 GGGTATGAGTGAAGCAAGCACTGATGAGATTTGAGAGATTTGAGAGATTTGAGAGATTTGCTCTC 456  
425 TTTATGCGCACTGCTGACAACTGTTGAAACCT 459  
457 TTTTACTACAACTACAGACAACTGTTGAAACCT 491

RESULT 12  
US-09-467-602A-1  
Sequence 1, Application US/09467602A  
Patent No. 6552164  
GENERAL INFORMATION:  
APPLICANT: Abbott Laboratories  
APPLICANT: Colpites, Tracey L.  
APPLICANT: Russell, John C.  
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR  
FILE REFERENCE: 5972 US P5  
CURRENT APPLICATION NUMBER: US 09/467,602A  
PRIOR FILING DATE: 1999-12-20  
PRIOR APPLICATION NUMBER: US 08/215, 818  
PRIOR FILING DATE: 1998-12-18  
PRIOR APPLICATION NUMBER: US 08/912,276  
PRIOR FILING DATE: 1997-08-17  
PRIOR APPLICATION NUMBER: US 08/697,105  
PRIOR FILING DATE: 1996-08-19  
PRIOR APPLICATION NUMBER: 08/912,149  
PRIOR FILING DATE: 1997-08-15  
PRIOR APPLICATION NUMBER: US 08/697,106  
PRIOR FILING DATE: 1996-08-19  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 1  
LENGTH: 535  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-467-602A-1

Query Match 47.0%; Score 223.8; DB 4; Length 535;  
Best Local Similarity 71.4%; Pred. No. 2e-61;  
Matches 325; Conservative 0; Mismatches 122; Indels 8; Gaps 2;  
7 TGCACGCAAGCACTGAACACAGACGAGCGCCCTGCGCATGAAGCTGTGATGCTCTC 66  
43 TGCACCGCGGACCTGAACACAGACGAGCGCCCTGCGCATGAAGCTGTGATGCTCTC 102  
67 ATGCTGGCGCCCTCTCTCTGCACTGTATGAGATTTGGCTGCAACTCTTGAGAGAC 126





US-08-933-149-5

Query Match	42.3%;	Score 201.2;	DB 2;	Length 403;
Best Local Similarity	71.9%;	Pred. No. 2.6e-54;		
Matches 279;	Conservative	0;	Mismatches 103;	Indels 6;
				Gaps 1

QY	22	TGCCAGCAGACTGAAACAGACAGACACCGCTGACCATGAACTCTGATAGTCTTC	66
Db	22	TGCCACCCCGGACTGAAACACCCAGACAGACGCTTACCATTAAGTTGCTATGCTCTTC	81
QY	67	ATGCTGGCGGCCCTCTCTCTGCACTGTATGACGATTCTGSCCTGCAAACTCTGGAGAC	128
Db	82	ATGCTGGCGGCCCTCTCTCTCCAGCACTGTATGACGCTGTGCGCTGCCTCTATTGGAGAT	141
QY	127	ATGCTTGAAGAAAGCAATCAATTCCTGACATATCTATACCTGATACAAAGACTTCTTCA	186
Db	142	GTAATTTCCAAAGCAATCAATCAATCACAAGGTCTAAGACTGAATTAACAAAGAACTTCTTCAA	201
QY	187	GAGTTCAATACAGATGATGTCGCGCTGAGAGGGCTATGGGGAATTTCAACAGATGTTCTCTC	248
Db	202	GAGTTCAATACAGCAATGCTCACTTACAAATGCCATGATGAAATTAAGGAAATGTTTCTT	261
QY	247	AACCACTCACAATGAACCTCTGAAAACTTTGACTGATATGATCATACAGTGTACAGACG	308
Db	262	AACCAAAACGATGAATCTGTGACCAATGTTGAGTGTTTATTCATTAATATATGACAGC	321
QY	307	ATTTCGTGTAAATGAAGATTAATTAACCTTAAACCAAGCGTTTGCTCAGAGGGCTTACA	366
Db	322	AGCTTTGTGATTT-----ATTTAACCTTTGGAAGACCTTTGGCTCAGAGAACTGCA	375
QY	367	GACATGTGCGCAAGCACTCATCTGTGATT	394
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RESULT 15  
US-09-082-343-5

Sequence 5, Application US/090823433  
Patent No. 5968754

Patent No. 5968754

**GENERAL INFORMATION:**

APPLICANT: WATSON, MARK A.

APPLICANT: FLEMING, TIMOTHY P

TITLE OF INVENTION: DNA SEQUENCE AND ENCODED

TITLE OF INVENTION:	MAMMARY-SPECIFIC BREAST CANCER PROTEIN
TITLE OF INVENTION:	DNA SEQUENCE AND ENCODED

TITLE OF INVENTION: MAMMARY-SPECIFIC BREAST CANCER PROTEIN  
NUMBER OF SEQUENCES: 13

NUMBER OF SEQUENCES: 13  
CORRESPONDENCE ADDRESS:

CORRESPONDENCE ADDRESS:

ADDRESSEE: ROGE

STREET: 7733 FO

CITY: ST. LOUIS

STATE: MISSOURI

STATE: MISSOURI  
COUNTRY: USACOUNTRY: USA  
ZTD: 63105-1017

ZIP: 63105-1817

COMPUTER READABLE ;

MEDIUM TYPE: F1

COMPUTER: IBM P

OPERATING SYSTEM

OPERATING SYSTEM  
SOFTWARE: Paten

SOFTWARE: Patent  
CURRENT APPLICATION:

CURRENT APPLICATION NUMBER

APPLICATION NUMB

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION

APPLICATION NUMB

APPELLATION NUMB  
FILING DATE:

ATTORNEY/AGENT INFO

ATTORNEY/AGENT INFORMATION  
NAME: HOI LAND

NAME: HOLLAND,

REGISTRATION NUM

**REFERENCE/DOCKET**

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; LENGTH: 403 base pairs
; TYPE: nucleic acid
; STRANDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-09-082-343-5

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Query Match	42.3%;	Score 201.2;	DB 2;	Length 403;
Best Local Similarity	71.9%;	Pred. No. 2.6e-54;		
Matches 279;	Conservative	0;	Mismatches 103;	Indels 6;
				Gaps 1.

Qy	7	TGCGACGACGACATGGAACACACAGACAGCGCGCTCCGCCATGAAAGCTGTATATGTCCTC	66
Db	22	TGCCACCCGGACGTGAACACCGACAGCAGCGCTCCACATGAAGTGTGTATGTCCTC	81
Qy	67	ATGCTGGGGGCGCTTCTCTCTGCATCTGTATATGCAATTTCTGGCTGCMAACTCCTGGAGAC	126
Db	82	ATGCTGGGGGCGCTTCTCTCCAGGACCTGTACGCAAGCGCTTGGCTGGCCCTTATTTGAGAT	141
Qy	127	ATGGTTGMAAAGACCATCAATTCGACATATCTATATACCTGAAATACMAAGCTTCTTCAA	186
Db	142	GTGATTTCCAAAGCAATCAATCCACAGAGTCTTAAGCTGATATACMAAGACTTCTTCAA	201
Qy	187	GAGTTCAATAGACAGTATATCCGCTGCAGAGCTATGGGGAATTCAGAGTGTTCCTC	242
Db	202	GAGTTCAATAGACAGTATATCCCAATCCCAATATGATTAATGAAGGAATGTTTTCTT	267
Qy	247	AACCACTACATAGAACTCTGAAAAAAGCTTTGAGCTGATGTCATCACTGTATACACAGC	306
Db	262	AACCAAAAGATATAAAGCTGTAGCAATGTTAGGGTGTATTCGAAATTAATATACAGC	322
Qy	307	ATTGGTGTAATATGGAAGATTAATTAATTTACCAAGGGCTTTGGCTCAGAGGGCTTACA	366
Db	322	AGCTCTTTGTGATTT-----ATTTTAACTTTCTCGAAGACCTTTGGCTCAGAAACTGCA	375
Qy	367	GACTATGGCCAGAACTCATCTCTGTATT	394
Db	376	GGGTATGTGTGAAACCAACTACGGAATT	403

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Job time : 60 secs

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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: October 30, 2003, 13:09:26 ; Search time 215 Seconds  
(without alignments)  
6021.494 Million cell updates/sec

Title: US-09-806-302a-1  
Perfect score: 476

Sequence: 1 acgagctgcacacagcact.....ccatcatcattcatc 476

Scoring table: IDENTITY NUC  
Gapop 10.0, Gapext 1.0

Searched: 1811591 seqs, 1359896230 residues

Total number of hits satisfying chosen parameters: 3623182

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database:

Published Applications NA:\*

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- 2: /cgn2\_6/ptodata/2/pubpna/PCT\_NEW\_PUB.seq:\*
- 3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq:\*
- 4: /cgn2\_6/ptodata/2/pubpna/US06\_PUBCOMB.seq:\*
- 5: /cgn2\_6/ptodata/2/pubpna/US07\_NEW\_PUB.seq:\*
- 6: /cgn2\_6/ptodata/2/pubpna/PCTUS\_PUBCOMB.seq:\*
- 7: /cgn2\_6/ptodata/2/pubpna/US08\_NEW\_PUB.seq:\*
- 8: /cgn2\_6/ptodata/2/pubpna/US08\_PUBCOMB.seq:\*
- 9: /cgn2\_6/ptodata/2/pubpna/US09\_PUBCOMB.seq:\*
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- 11: /cgn2\_6/ptodata/2/pubpna/US09C\_NEW\_PUB.seq:\*
- 12: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq:\*
- 13: /cgn2\_6/ptodata/2/pubpna/US10\_PUBCOMB.seq:\*
- 14: /cgn2\_6/ptodata/2/pubpna/US10B\_PUBCOMB.seq:\*
- 15: /cgn2\_6/ptodata/2/pubpna/US10B\_NEW\_PUB.seq:\*
- 16: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq:\*
- 17: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	476	100.0	476	10	US-09-985-911-5 Sequence 5, Appl1
2	434.2	91.2	497	9	US-09-110-716-30 Sequence 30, Appl1
3	431.6	90.7	517	12	US-10-119-431-26 Sequence 26, Appl1
4	431.6	90.7	517	14	US-10-097-340-186 Sequence 186, App
5	431.6	90.7	517	14	US-10-177-293-279 Sequence 279, App
6	431.6	90.7	733	14	US-10-198-846-10282 Sequence 10282, A
7	407.4	85.6	491	10	US-09-967-7684-62 Sequence 62, Appl1
8	295.2	62.0	532	12	US-09-814-353-2203 Sequence 2203, Ap
9	295.2	62.0	532	12	US-09-814-353-8543 Sequence 8543, Ap
10	295.2	62.0	636	12	US-09-814-353-14927 Sequence 14927, A
11	293.4	61.6	407	14	US-10-198-846-8737 Sequence 8737, Ap
12	291.8	61.3	499	14	US-10-198-846-129 Sequence 129, App
13	280	58.8	368	10	US-09-867-701-6508 Sequence 6508, Ap
14	233.8	47.0	495	9	US-09-956-999-5 Sequence 5, Appl1
15	233.8	47.0	495	10	US-09-934-054-4 Sequence 4, Appl1
16	223.8	47.0	503	9	US-09-110-716-33 Sequence 33, Appl1

17	223.8	47.0	503	10	US-09-934-054-11 Sequence 11, Appl1
18	223.8	47.0	503	11	US-09-905-673-27 Sequence 27, Appl1
19	223.8	47.0	503	12	US-10-096-319-27 Sequence 27, Appl1
20	223.8	47.0	503	12	US-10-393-590-3 Sequence 3, Appl1
21	223.8	47.0	503	12	US-10-393-567-3 Sequence 3, Appl1
22	223.8	47.0	503	12	US-10-394-087-3 Sequence 3, Appl1
23	223.8	47.0	503	14	US-10-042-945-69 Sequence 69, Appl1
24	223.8	47.0	503	14	US-10-157-031-55 Sequence 55, Appl1
25	223.8	47.0	503	14	US-10-177-293-277 Sequence 277, App
26	223.8	47.0	535	11	US-09-975-028-1 Sequence 1, Appl1
27	223.8	47.0	700	14	US-10-198-846-10860 Sequence 10860, A
28	223.8	47.0	751	14	US-10-198-846-8492 Sequence 8492, Ap
29	223.8	47.0	878	14	US-10-198-846-10961 Sequence 10961, A
30	222.2	46.7	503	9	US-09-825-301-73 Sequence 73, Appl1
31	222.2	46.7	503	12	US-10-033-527-73 Sequence 73, Appl1
32	217	45.6	871	14	US-10-198-846-1659 Sequence 1659, Ap
33	211.6	44.5	429	11	US-09-905-673-49 Sequence 49, Appl1
34	211.6	44.5	429	12	US-10-096-319-49 Sequence 49, Appl1
35	210	44.1	429	11	US-09-905-673-46 Sequence 46, Appl1
36	210	44.1	429	12	US-10-096-319-46 Sequence 46, Appl1
37	208.4	43.8	429	11	US-09-905-673-43 Sequence 43, Appl1
38	208.4	43.8	429	11	US-09-905-673-45 Sequence 45, Appl1
39	208.4	43.8	429	11	US-09-905-673-45 Sequence 45, Appl1
40	208.4	43.8	429	11	US-09-905-673-48 Sequence 48, Appl1
41	208.4	43.8	429	12	US-10-096-319-43 Sequence 43, Appl1
42	208.4	43.8	429	12	US-10-096-319-44 Sequence 44, Appl1
43	208.4	43.8	429	12	US-10-096-319-45 Sequence 45, Appl1
44	208.4	43.8	429	12	US-10-096-319-48 Sequence 48, Appl1
45	205.6	43.2	388	11	US-09-905-673-20 Sequence 20, Appl1

#### ALIGNMENTS

RESULT 1  
US-09-985-911-5  
Sequence 5, Application US/09985911  
Parent No. US2002015102A1  
GENERAL INFORMATION:  
APPLICANT: NI ET AL.  
TITLE OR INVENTION: HUMAN ENDOMETRIAL SPECIFIC STEROID-BINDING FACTOR I, II AND III  
FILE REFERENCE: PP257D3  
CURRENT APPLICATION NUMBER: US/09/985,911  
CURRENT FILING DATE: 2001-11-06  
PRIOR APPLICATION NUMBER: 09/583,169  
PRIOR FILING DATE: 2000-05-30  
PRIOR APPLICATION NUMBER: 09/263,810  
PRIOR FILING DATE: 1999-03-08  
PRIOR APPLICATION NUMBER: 08/821,451  
PRIOR FILING DATE: 1997-03-21  
PRIOR APPLICATION NUMBER: 60/014,724  
PRIOR FILING DATE: 1996-03-21  
NUMBER OF SEQ ID NOS: 27  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 5  
LENGTH: 476  
TYPE: DNA  
ORGANISM: human  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (46)..(330)  
OTHER INFORMATION:  
NAME/KEY: sig.peptide  
LOCATION: (46)..(108)  
OTHER INFORMATION:  
NAME/KEY: mat.peptide  
LOCATION: (109)..(330)  
OTHER INFORMATION:  
US-09-985-911-5  
Query Match 100.0% Score 476; DB 10; Length 476;  
Best Local Similarity 100.0% Pred. No. 7e+149;  
Matches 476; Conservative 0; Mismatches 0; Indels 0; Gaps 0;







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Qy	268	AAAAACTTTGGACTGATGATGCAATACAGTGTACGACAGCAATTTGGTGTATATGAAAGGT	327
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Qy	328	AATTAACCTTACCCCAAGGGCGTTGGCTCAGAGGGCTACAGACTATGGCCAACTCATCT	387
Db	301	AATTAACCTTACCCCAAGGGCGTTGGCTCAGAGGGCTACAGACTATGGCCAACTCATCT	360
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RESULT 8
US-09-814-353-2203/c
Sequence 2203, Application US/09814353
Publication No. US20030165831A1
GENERAL INFORMATION:
APPLICANT: Lee, John
APPLICANT: Thompson, Pamela
APPLICANT: Lillie, James
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND
TITLE OF INVENTION: THERAPY OF OVARIAN CANCER
FILE REFERENCE: MRI-006B
CURRENT APPLICATION NUMBER: US/09/814,353
CURRENT FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: US 60/191,031
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: US 60/207,124
PRIOR FILING DATE: 2000-05-25
PRIOR APPLICATION NUMBER: US 60/211,940
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: US 60/216,820
PRIOR FILING DATE: 2000-07-07
PRIOR APPLICATION NUMBER: US 60/220,661
PRIOR FILING DATE: 2000-07-25
PRIOR APPLICATION NUMBER: US 60/257,672
PRIOR FILING DATE: 2000-12-21
NUMBER OF SEQ ID NOS: 22037
SOFTWARE: PaatSeq for Windows Version 4.0
SEQ ID NO 2203
LENGTH: 522
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: 522
OTHER INFORMATION: n = A,T,C or G
US-09-814-353-2203

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Query Match      92.0%; Score 295.2; DB 12; Length 522;
Best Local Similarity 99.0%; P-adj. No. 3.3e-88;
Matches 297; Conservative 0; Mismatches 3; Indels 0; Gaps 0

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OY      66  CATGCTGGGCGGCGCCCTCTCTCTGCTGACGCTGATGACGATTTCTGACTGCGAACTCTCTGAGAGA 125
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[illegible]

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RESULT 9
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: Publication No. US20030165831A1
: GENERAL INFORMATION:
: APPLICANT: Lee, John
: APPLICANT: Thompson, Pamela
: APPLICANT: Lillie, James
: TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
: TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND
: TITLE OF INVENTION: THERAPY OF OVARIAN CANCER
: FILE REFERENCE: MRI-006B
: CURRENT APPLICATION NUMBER: US/09/814,353
: CURRENT FILING DATE: 2001-03-21
: PRIOR APPLICATION NUMBER: US 60/191,031
: PRIOR FILING DATE: 2000-03-21
: PRIOR APPLICATION NUMBER: US 60/207,124
: PRIOR FILING DATE: 2000-05-25
: PRIOR APPLICATION NUMBER: US 60/211,940
: PRIOR FILING DATE: 2000-06-15
: PRIOR APPLICATION NUMBER: US 60/216,820
: PRIOR FILING DATE: 2000-07-07
: PRIOR APPLICATION NUMBER: US 60/220,661
: PRIOR FILING DATE: 2000-07-25
: PRIOR APPLICATION NUMBER: US 60/257,672.
: PRIOR FILING DATE: 2000-12-21
: NUMBER OF SEQ ID NOS: 22037
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 8543
: LENGTH: 522
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: 522
: OTHER INFORMATION: n = A,T,C or G
US-09-814-353-8543

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	Query Match	62.0%	Score 295.2	DB 12	Length 522	
	Query Similarity	99.0%	Pred. No. 3,3e-88			
	Matches 297	Conservative	0	Mismatches 3	Indels 0	Gaps 0
QY	6	CTGCCACGCACGACTGAAACAGACAGACAGCGCGCTTGCCATGAACTGCTGATGCTCT	65			
Db	490	CTGCCACACACACTGAAACAGACAGACAGCGCGCTTGCCATGAACTGCTGATGCTCT	431			
QY	66	CATGCTGGGGGGCCCTCCCTCTGCACCTGTATGCAAGATTCTGCGTGAACCTCTGGAGA	125			
Db	430	CATGCTGGGGGGCCCTCCCTCTGCACCTGTATGCAAGATTCTGCGTGAACCTCTGGAGA	371			
QY	126	CATGCTGAAAAAGACCAATCAATTCCGACATATCTTAACTGAAATACAAAGCTTTCTCA	185			
Db	370	CATGCTGAAAAAGACCAATCAATTCGACATATCTTAACTGAAATACAAAGCTTTCTCA	311			
QY	186	AGAGTTCAATGACACTGATGCGCGCTGCAGAGCGATATGGGAATTTCAAGCAGCTTTCT	245			
Db	310	AGAGTTCAATGACAGTGAAGCGCGCTGCAGAGCGATATGGGAATTTCAAGCAGCTTTCT	251			
QY	246	CAACCACTCACTAGAACTTGAAAACTTTGACTGTAGTACATACAGTTACACAG	305			





Query Match 61.3%; Score 291.8; DB 14; Length 499;  
Best Local Similarity 99.3%; Pred. No. 4,4e-87;  
Matches 293; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 6 CTCGCAAGCAGCACTGAAACAGACAGAGAGCCGCTCGCATGAGCTGCTGATGCTCT 65  
DB 78 CTCGCAAGCAGCACTGAAACAGACAGAGAGCCGCTCGCATGAGCTGCTGATGCTCT 137  
QY 66 CATGCTGGGGGCT 125  
DB 138 CATGCTGGGGGCT 197  
QY 126 CATGCTTGAAGAAAGACCATCAATTCGACATATCTAATCTGAATACAAAGCTTCTCA 185  
DB 198 CATGCTGAAAGAACCATCAATTCGACATATCTAATCTGAATACAAAGCTTCTCTCA 257  
QY 186 AGAGTTCATAGACATGATGCGCGCTGACAGGCTATGGGAAATTCAGACAGTTCCT 245  
DB 258 AGAGTTCATAGACATGATGCGCGCTGACAGGCTATGGGAAATTCAGACAGTTCCT 317  
QY 246 CAACCAAGTACATAGAACTCTGAAAACTTTGACCTGATGATGATACAGTGTAC 300  
DB 318 CAACCAAGTACATAGAACTCTGAAAACTTTGACCTGATGATGATGATACAGTGTAC 372

RESULT 13  
US-09-867-701.6508  
Sequence 6508, Application US/09867701  
Patent No. US20020132237A1  
GENERAL INFORMATION:  
APPLICANT: Aglate, Paul A.  
APPLICANT: Jones, Robert  
APPLICANT: Harlocker, Susan L.  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY  
FILE REFERENCE: 210121.497  
CURRENT APPLICATION NUMBER: US/09/867,701  
CURRENT FILING DATE: 2001-05-29  
NUMBER OF SEQ ID NOS: 10912  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 6508  
LENGTH: 368  
TYPE: DNA  
ORGANISM: Homo sapien  
US-09-867-701.6508

Query Match 58.8%; Score 280; DB 10; Length 368;  
Best Local Similarity 95.8%; Pred. No. 3.3e-83;  
Matches 299; Conservative 0; Mismatches 10; Indels 3; Gaps 1;

QY 156 ATCTATACCTGAATACAAAGAGCTTCTTCAAGAGTTCAATAGACAGTATCCGCTCA 215  
DB 2 ACCTATACCTGAATACAAAGAGCTTCTTCAAGAGTTCAATAGACAGTATCCGCTCA 61  
QY 216 GCGTATGGGAAATTCAGACAGTGTCTTCTAACAGACATAGACCTGTAAGAACT 275  
DB 62 GCGTATGGGAAATTCAGACAGTGTCTTCTAACAGACATAGACCTGTAAGAACT 121  
QY 276 TGACATGATGATGATACAGTGTACAGACAGATTTGGTAAATATGAAGATTAAT 335  
DB 122 TGACATGATGATGATACAGTGTACAGACAGATTTGGTAAATATGAAGATTAAT 181  
QY 336 TTACCAAGGCGTTGGCTACAGAGGCTACAGACATATGGCAGAACTCATCTGTAT 395  
DB 182 TTACCAAGGCGTTGGCTACAGAGGCTACAGACATATGGCAGAACTCATCTGTAT 241  
QY 396 CTGAAACCACTTTCTTCTTCTG--TTGCTTTTATATGTTGAACTCTGACACTGTT 452  
DB 242 CTGAAACCACTTTCTTCTTCTG--TTGCTTTTATATGTTGAACTCTGACACTGTT 301  
QY 453 GAAACCTCAATT 464  
DB 302 GAAACCTCAAAAT 313

US-09-956-999-5  
Sequence 5, Application US/09956999  
Patent No. US20020064792A1  
GENERAL INFORMATION:  
APPLICANT: Lincoln, Stephen  
APPLICANT: Klingler, Tod M.  
APPLICANT: Au-Yang, Janice  
APPLICANT: Tang, Y. Tom  
APPLICANT: Gould, Richard  
APPLICANT: Akedilom, Ingrid E.  
APPLICANT: Selhamer, Jeffrey J.  
APPLICANT: Hawkins, Phillip R.  
APPLICANT: Murty, Lynn E.  
APPLICANT: Deleane, Angelo M.  
APPLICANT: Levine, Wendy B.  
APPLICANT: Hillman, Jennifer L.  
APPLICANT: Goli, Surya K.  
APPLICANT: Altus, Christina M.  
APPLICANT: Bandman, Olga  
APPLICANT: Labrie, Samuel T.  
APPLICANT: Shah, Puri  
TITLE OF INVENTION: Database for Storage and Analysis of  
FILE REFERENCE: 6514-069CON  
CURRENT APPLICATION NUMBER: US/09/956,999  
CURRENT FILING DATE: 2001-09-19  
PRIOR APPLICATION NUMBER: 08/282,955  
PRIOR FILING DATE: 1995-07-29  
PRIOR APPLICATION NUMBER: 08/187,530  
PRIOR FILING DATE: 1994-01-27  
PRIOR APPLICATION NUMBER: 08/179,873  
PRIOR FILING DATE: 1994-01-11  
PRIOR APPLICATION NUMBER: 08/100,523  
PRIOR FILING DATE: 1993-08-03  
PRIOR APPLICATION NUMBER: 08/137,951  
PRIOR FILING DATE: 1993-10-14  
PRIOR APPLICATION NUMBER: 07/977,780  
PRIOR FILING DATE: 1992-11-19  
PRIOR APPLICATION NUMBER: 07/916,491  
PRIOR FILING DATE: 1992-07-17  
PRIOR APPLICATION NUMBER: 08/289,822  
PRIOR FILING DATE: 1994-08-12  
PRIOR APPLICATION NUMBER: 08/581,240  
PRIOR FILING DATE: 1995-12-29  
PRIOR APPLICATION NUMBER: 08/744,026  
PRIOR FILING DATE: 1996-11-05  
PRIOR APPLICATION NUMBER: 08/786,999  
PRIOR FILING DATE: 1997-01-23  
PRIOR APPLICATION NUMBER: 08/822,262  
PRIOR FILING DATE: 1997-03-20  
PRIOR APPLICATION NUMBER: 08/951,750  
PRIOR FILING DATE: 1997-10-16  
NUMBER OF SEQ ID NOS: 10  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 5  
LENGTH: 495  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-956-999-5

Query Match 47.0%; Score 223.8; DB 9; Length 495;  
Best Local Similarity 71.4%; Pred. No. 2.8e-64;  
Matches 325; Conservative 0; Mismatches 122; Indels 8; Gaps 2;

QY 7 TGCCACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGAC 66  
DB 7 TGCCACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGAC 66  
QY 67 ATGCTGGGGGCT 126



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: October 30, 2003, 14:02:42 : Search time 17 Seconds  
(without alignments)  
236.443 Million cell updates/sec

Title: US-09-806-302a-2

Perfect score: 95 1 MKLMLVLMALLHCHYADS.....NFGIMHTVYSIMCKSN 95

Scoring table: OLIGO  
Gapop 60.0 , Gapext 60.0

Searched: 328717 segs, 42310858 residues

Word size : 0

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database :  
1: Issued Patents AA:  
2: /cgn2\_6/prodata/1/1aa/5A.COMB.pep.\*  
3: /cgn2\_6/prodata/1/1aa/5B.COMB.pep.\*  
4: /cgn2\_6/prodata/1/1aa/6A.COMB.pep.\*  
5: /cgn2\_6/prodata/1/1aa/6B.COMB.pep.\*  
6: /cgn2\_6/prodata/1/1aa/6C.COMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	95	100.0	95	3	US-08-821-451A-6
2	95	100.0	95	3	US-09-263-810-6
3	95	100.0	95	4	US-09-583-169-6
4	95	100.0	95	1	US-08-455-886-2
5	93	12.6	93	2	US-08-933-149-2
6	93	12.6	93	2	US-09-082-343-2
7	93	12.6	93	2	US-09-082-253-2
8	93	12.6	93	4	US-09-215-818-5
9	93	12.6	93	4	US-09-467-602A-5
10	93	12.6	93	4	US-09-162-622-2
11	93	12.6	93	5	PCT-US96-08235-2
12	410	12.6	410	4	US-09-620-405B-495
13	743	12.6	743	4	US-09-620-405B-494
14	1095	12.6	1095	4	US-09-620-405B-493
15	74	11.6	74	4	US-09-162-622-17
16	233	7.4	233	4	US-09-328-352-7602
17	528	7.4	528	2	US-08-403-852D-21
18	528	7.4	528	2	US-08-510-646B-22
19	528	7.4	528	3	US-09-231-818-21
20	767	7.4	767	4	US-09-252-991A-31198
21	11	6.3	11	1	US-07-699-468-2
22	6	6.3	11	1	US-07-699-468-3
23	6	6.3	11	1	US-07-699-468-4
24	6	6.3	11	1	US-07-699-468-5
25	6	6.3	11	1	US-07-699-468-6
26	6	6.3	16	2	US-08-723-415B-9
27	6	6.3	16	3	US-09-189-627A-9

28	6	6.3	16	4	US-09-710-861-9	Sequence 9, Appl
29	6	6.3	22	3	US-08-940-095-11	Sequence 11, Appl
30	6	6.3	22	3	US-08-940-095-17	Sequence 11, Appl
31	6	6.3	22	3	US-08-940-095-23	Sequence 23, Appl
32	6	6.3	22	3	US-08-940-095-36	Sequence 36, Appl
33	6	6.3	22	3	US-08-940-095-87	Sequence 87, Appl
34	6	6.3	22	3	US-08-940-093-11	Sequence 11, Appl
35	6	6.3	22	3	US-08-940-093-17	Sequence 17, Appl
36	6	6.3	22	3	US-08-940-093-23	Sequence 23, Appl
37	6	6.3	22	3	US-08-940-093-36	Sequence 36, Appl
38	6	6.3	22	3	US-08-940-093-87	Sequence 87, Appl
39	6	6.3	22	3	US-08-940-096-11	Sequence 11, Appl
40	6	6.3	22	3	US-08-940-096-17	Sequence 17, Appl
41	6	6.3	22	3	US-08-940-096-23	Sequence 23, Appl
42	6	6.3	22	3	US-08-940-096-36	Sequence 36, Appl
43	6	6.3	22	3	US-08-940-096-87	Sequence 87, Appl
44	6	6.3	22	3	US-09-465-719-11	Sequence 11, Appl
45	6	6.3	22	3	US-09-465-719-17	Sequence 17, Appl

ALIGNMENTS

RESULT 1  
US-08-821-451A-6  
Sequence 6, Application US/08821451A  
Patent No. 6066724  
GENERAL INFORMATION:  
APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Genz  
TITLE OF INVENTION: Human Endometrial Specific Steroid-  
TITLE OF INVENTION: Binding Factor I, II and III  
NUMBER OF SEQUENCES: 27  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: CECILIA, BYRNE, BAIN, GILFILLAN,  
ADDRESS: 6 BECKER FARM ROAD  
CITY: ROSELAND  
STATE: NEW JERSEY  
COUNTRY: USA  
ZIP: 07068  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 INCH DISKETTE  
COMPUTER: IBM PS/2  
OPERATING SYSTEM: MS-DOS  
SOFTWARE: WORD PERFECT 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/821,451A  
FILING DATE: March 21, 1997  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/014,724  
FILING DATE: March 21, 1996  
ATTORNEY/AGENT INFORMATION:  
NAME: MULLINS, J.G.  
REGISTRATION NUMBER: 33,073  
REFERENCE/DOCKET NUMBER: 325800-521 (PF257)  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201-994-1700  
TELEFAX: 201-994-1744  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 95 AMINO ACIDS  
TYPE: AMINO ACID  
STRANDEDNESS:  
TOPOLOGY: LINEAR  
MOLECULE TYPE: PROTEIN  
US-08-821-451A-6  
Query Match 100.0%; Score 95; DB 3; Length 95;  
Best Local Similarity 100.0%; Pred. No. 3.5e-87;  
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
1 MKLMLVLMALLHCHYADSGCKLDEWERTINSISIFRYKELLOEFDSDAAAEANG 60

Db 1 MKLWMLMALLLHCHVADSGCKLEDMVEKTNISDISPEYKELLOEFIDSDAAAEANG 60  
Qy 61 KFKQCFLNQSHRTLKNFGMLMHTVYDSIWCNMKSN 95  
Db 61 KFKQCFLNQSHRTLKNFGMLMHTVYDSIWCNMKSN 95

## RESULT 2

US-09-263-810-6  
Sequence 6, Application US/09263810  
Patent No. 6174992  
GENERAL INFORMATION:  
APPLICANT: JIAN NI, Guo-Liang Yu and Reiner Genz  
TITLE OF INVENTION: Human Endometrial Specific Steroid-  
TITLE OF INVENTION: Binding Factor I, II and III  
NUMBER OF SEQUENCES: 27  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,  
ADDRESSEE: CECCHI, STEWART & OLSTEIN  
STREET: 6 BECKER FARM ROAD  
CITY: ROSELAND  
STATE: NEW JERSEY  
COUNTRY: USA  
ZIP: 07068  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 INCH DISKETTE  
COMPUTER: IBM PS/2  
OPERATING SYSTEM: MS-DOS  
SOFTWARE: WORD PERFECT 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/263,810  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/821,451  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: MULLINS, J.G.  
REGISTRATION NUMBER: 33,073  
REFERENCE/DOCKET NUMBER: 325800-521 (PF257)  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201-994-1700  
TELEFAX: 201-994-1744  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 95 AMINO ACIDS  
TYPE: AMINO ACID  
STRANDEDNESS:  
TOPOLOGY: LINEAR  
MOLECULE TYPE: PROTEIN  
US-09-263-810-6

Query Match 100.0%; Score 95; DB 3; Length 95;  
Best Local Similarity 100.0%; Pred. No. 3.5e-87;  
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MKLWMLMALLLHCHVADSGCKLEDMVEKTNISDISPEYKELLOEFIDSDAAAEANG 60  
Db 1 MKLWMLMALLLHCHVADSGCKLEDMVEKTNISDISPEYKELLOEFIDSDAAAEANG 60  
Qy 61 KFKQCFLNQSHRTLKNFGMLMHTVYDSIWCNMKSN 95  
Db 61 KFKQCFLNQSHRTLKNFGMLMHTVYDSIWCNMKSN 95

## RESULT 3

US-09-583-169-6  
Sequence 6, Application US/09583169  
Patent No. 6338948  
GENERAL INFORMATION:  
APPLICANT: JIAN NI, Guo-Liang Yu and Reiner Genz  
TITLE OF INVENTION: Human Endometrial Specific Steroid-

TITLE OF INVENTION: Binding Factor I, II and III  
NUMBER OF SEQUENCES: 27  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,  
ADDRESSEE: CECCHI, STEWART & OLSTEIN  
STREET: 6 BECKER FARM ROAD  
CITY: ROSELAND  
STATE: NEW JERSEY  
COUNTRY: USA  
ZIP: 07068  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 INCH DISKETTE  
COMPUTER: IBM PS/2  
OPERATING SYSTEM: MS-DOS  
SOFTWARE: WORD PERFECT 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/583,169  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/821,451  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: MULLINS, J.G.  
REGISTRATION NUMBER: 33,073  
REFERENCE/DOCKET NUMBER: 325800-521 (PF257)  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201-994-1700  
TELEFAX: 201-994-1744  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 95 AMINO ACIDS  
TYPE: AMINO ACID  
STRANDEDNESS:  
TOPOLOGY: LINEAR  
MOLECULE TYPE: PROTEIN  
US-09-583-169-6

Query Match 100.0%; Score 95; DB 4; Length 95;  
Best Local Similarity 100.0%; Pred. No. 3.5e-87;  
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MKLWMLMALLLHCHVADSGCKLEDMVEKTNISDISPEYKELLOEFIDSDAAAEANG 60  
Db 1 MKLWMLMALLLHCHVADSGCKLEDMVEKTNISDISPEYKELLOEFIDSDAAAEANG 60  
Qy 61 KFKQCFLNQSHRTLKNFGMLMHTVYDSIWCNMKSN 95  
Db 61 KFKQCFLNQSHRTLKNFGMLMHTVYDSIWCNMKSN 95

## RESULT 4

US-08-455-896-2  
Sequence 2, Application US/08455896  
Patent No. 5668267  
GENERAL INFORMATION:  
APPLICANT: WATSON, MARK A.  
TITLE OF INVENTION: DNA SEQUENCE AND ENCODED  
TITLE OF INVENTION: MAMMARY-SPECIFIC BREAST CANCER PROTEIN  
NUMBER OF SEQUENCES: 13  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: ROGERS, HOWELL & HAFERKAMP  
STREET: 7733 FORSYTH BOULEVARD, SUITE 1400  
CITY: ST. LOUIS  
STATE: MISSOURI  
COUNTRY: USA  
ZIP: 63105-1817  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25

```

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/455,896
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: HOLLAND, DONALD R.
REGISTRATION NUMBER: 35,197
REFERENCE/DOCKET NUMBER: 952726
TELECOMMUNICATION INFORMATION:
TELEPHONE: (314) 727-5188
TELEFAX: (314) 727-6092
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 93 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
US-08-455-896-2

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Query Match 12.6%; Score 12; DB 1; Length 93;
Best Local Similarity 100.0%; Pred. No. 9.9e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 1 MKLIMVLMAL 12
Db 1 MKLIMVLMAL 12

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RESULT 5
US-08-933-149-2
Sequence 2, Application US/08933149
Patent No. 5922836
GENERAL INFORMATION:
APPLICANT: WATSON, MARK A.
APPLICANT: FLEMING, TIMOTHY P.
TITLE OF INVENTION: MAMMARY SPECIFIC BREAST CANCER PROTEIN
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: HOWELL & HAFERKAMP, L.C.
STREET: 7733 FORSYTH BOULEVARD, SUITE 1400
CITY: ST. LOUIS
STATE: MISSOURI
COUNTRY: USA
ZIP: 63105-1817
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/933,149
FILING DATE:
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: HENDERSON, MELODIE W.
REGISTRATION NUMBER: 37,848
REFERENCE/DOCKET NUMBER: 6029-6040
TELECOMMUNICATION INFORMATION:
TELEPHONE: (314) 727-5188
TELEFAX: (314) 727-6092
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 93 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
US-08-933-149-2

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Query Match 12.6%; Score 12; DB 2; Length 93;
Best Local Similarity 100.0%; Pred. No. 9.9e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 1 MKLIMVLMAL 12
Db 1 MKLIMVLMAL 12

```

```

RESULT 6
US-09-082-343-2
Sequence 2, Application US/09082343
Patent No. 5968754
GENERAL INFORMATION:
APPLICANT: WATSON, MARK A.
APPLICANT: FLEMING, TIMOTHY P.
TITLE OF INVENTION: DNA SEQUENCE AND ENCODED
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: ROGERS, HOWELL & HAFERKAMP
STREET: 7733 FORSYTH BOULEVARD, SUITE 1400
CITY: ST. LOUIS
STATE: MISSOURI
COUNTRY: USA
ZIP: 63105-1817
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/082,343
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/455,896
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: HOLLAND, DONALD R.
REGISTRATION NUMBER: 35,197
REFERENCE/DOCKET NUMBER: 952726
TELECOMMUNICATION INFORMATION:
TELEPHONE: (314) 727-5188
TELEFAX: (314) 727-6092
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 93 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
US-09-082-343-2

```

```

Query Match 12.6%; Score 12; DB 2; Length 93;
Best Local Similarity 100.0%; Pred. No. 9.9e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 1 MKLIMVLMAL 12
Db 1 MKLIMVLMAL 12

```

```

RESULT 7
US-09-082-253-2
Sequence 2, Application US/09082253
Patent No. 6004756
GENERAL INFORMATION:
APPLICANT: WATSON, MARK A.
APPLICANT: FLEMING, TIMOTHY P.
TITLE OF INVENTION: DNA SEQUENCE AND ENCODED
MAMMARY-SPECIFIC BREAST CANCER PROTEIN

```

```

NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: ROGERS, HOWELL & HAERKAMP
STREET: 7733 FORSYTH BOULEVARD, SUITE 1400
CITY: ST. LOUIS
STATE: MISSOURI
COUNTRY: USA
ZIP: 63105-1817
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/082,253
FILING DATE:
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/455,896
FILING DATE: 05/31/1995
ATTORNEY/AGENT INFORMATION:
NAME: HOLLAND, DONALD R.
REGISTRATION NUMBER: 35,197
REFERENCE/DOCKET NUMBER: 952726
TELECOMMUNICATION INFORMATION:
TELEPHONE: (314) 727-5188
TELEFAX: (314) 727-6092
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 93 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHEICAL: NO
US-09-082-253-2

Query Match      12.6%; Score 12; DB 3; Length 93;
Best Local Similarity 100.0%; Pred. No. 9.9e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 MKLWVLMIAL 12
DB      1 MKLWVLMIAL 12

RESULT 8
US-09-215-818-5
Sequence 5, Application US/09215818A
Patent No. 6378671
GENERAL INFORMATION:
APPLICANT: Colpitts, Tracey
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR
FILE REFERENCE: 5972-US-P2
CURRENT APPLICATION NUMBER: US/09/215,818A
CURRENT FILING DATE: 1998-12-18
EARLIER APPLICATION NUMBER: 08/912,276
EARLIER FILING DATE: 1997-08-17
EARLIER APPLICATION NUMBER: 08/697,105
EARLIER FILING DATE: 1996-08-19
EARLIER APPLICATION NUMBER: 08/912,149
EARLIER FILING DATE: 1997-08-15
EARLIER APPLICATION NUMBER: 08/697,106
EARLIER FILING DATE: 1996-08-19
NUMBER OF SEQ ID NOS: 6
SOFTWARE: PatSeq for Windows Version 3.0
SEQ ID NO 5
LENGTH: 93
TYPE: PRT
ORGANISM: Homo sapiens
US-09-215-818-5
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Query Match      12.6%; Score 12; DB 4; Length 93;
Best Local Similarity 100.0%; Pred. No. 9.9e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 MKLWVLMIAL 12
DB      1 MKLWVLMIAL 12

RESULT 9
US-09-467-602A-5
Sequence 5, Application US/09467602A
Patent No. 6552164
GENERAL INFORMATION:
APPLICANT: Abbott Laboratories
APPLICANT: Colpitts, Tracey L.
APPLICANT: Russell, John C.
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR
FILE REFERENCE: 5972-US-P5
CURRENT APPLICATION NUMBER: US/09/467,602A
CURRENT FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: US 08/215,818
PRIOR FILING DATE: 1998-12-18
PRIOR APPLICATION NUMBER: US 08/912,276
PRIOR FILING DATE: 1997-08-17
PRIOR APPLICATION NUMBER: US 08/697,105
PRIOR FILING DATE: 1996-08-19
PRIOR APPLICATION NUMBER: US 08/912,149
PRIOR FILING DATE: 1997-08-15
PRIOR APPLICATION NUMBER: US 08/697,106
PRIOR FILING DATE: 1996-08-19
NUMBER OF SEQ ID NOS: 6
SOFTWARE: PatSeq for Windows Version 4.0
SEQ ID NO 5
LENGTH: 93
TYPE: PRT
ORGANISM: Homo sapiens
US-09-467-602A-5

Query Match      12.6%; Score 12; DB 4; Length 93;
Best Local Similarity 100.0%; Pred. No. 9.9e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 MKLWVLMIAL 12
DB      1 MKLWVLMIAL 12

RESULT 10
US-09-162-622-2
Sequence 2, Application US/09162622
Patent No. 6566072
GENERAL INFORMATION:
APPLICANT: WATSON, MARK A.
APPLICANT: FLEMING, TIMOTHY P.
TITLE OF INVENTION: Mamaglobin, A Secreted Mammary-Specific Breast Cancer
FILE REFERENCE: 6029-5134
CURRENT APPLICATION NUMBER: US/09/162,622
CURRENT FILING DATE: 1998-09-29
EARLIER APPLICATION NUMBER: 08/933,149
EARLIER FILING DATE: 1997-09-18
EARLIER APPLICATION NUMBER: PCT/US96/08235
EARLIER FILING DATE: 1996-05-31
EARLIER APPLICATION NUMBER: 08/455,896
EARLIER FILING DATE: 1995-05-31
NUMBER OF SEQ ID NOS: 21
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 93
TYPE: PRT
ORGANISM: Homo sapiens
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US-09-162-622-2

Query Match 12.6%; Score 12; DB 4; Length 93;  
Best Local Similarity 100.0%; Pred. No. 9.9e-05;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MKLIMVLMAL 12  
Db 1 MKLIMVLMAL 12

RESULT 11  
PCT-US96-08235-2

Sequence 2, Application PC/TUS9608235  
GENERAL INFORMATION:  
APPLICANT: WATSON, MARK A.  
APPLICANT: FLEMING, TIMOTHY P.  
TITLE OF INVENTION: DNA SEQUENCE AND ENCODED  
TITLE OF INVENTION: MAMMARY-SPECIFIC BREAST CANCER PROTEIN  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: ROGERS, HOWELL & HAERKAMP  
STREET: 7733 FORSYTH BOULEVARD, SUITE 1400  
CITY: ST. LOUIS  
STATE: MISSOURI  
COUNTRY: USA  
ZIP: 63105-1817  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US96/08235  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: HOLLAND, DONALD R.  
REGISTRATION NUMBER: 35,197  
REFERENCE/DOCKET NUMBER: 964796  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (314) 727-5188  
TELEFAX: (314) 727-6092  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 93 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHETICAL: NO  
PCT-US96-08235-2

Query Match 12.6%; Score 12; DB 5; Length 93;  
Best Local Similarity 100.0%; Pred. No. 9.9e-05;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MKLIMVLMAL 12  
Db 1 MKLIMVLMAL 12

RESULT 12

US-09-620-405B-495  
Sequence 495, Application US/09620405B  
Patent No. 6528054  
GENERAL INFORMATION:  
APPLICANT: Jiang, Yugu  
APPLICANT: Dillon, Davin C.  
APPLICANT: Mitcham, Jennifer L.  
APPLICANT: Xu, Jianshun  
APPLICANT: Harlocker, Susan L.  
APPLICANT: Hepler, William T.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER  
FILE REFERENCE: 210121.470C8  
CURRENT APPLICATION NUMBER: US/09/620.405B  
CURRENT FILING DATE: 2000-07-20  
NUMBER OF SEQ ID NOS: 495  
SOFTWARE: FASTSEQ for windows version 3.0  
SEQ ID NO 495  
LENGTH: 410  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-620-405B-495

Query Match 12.6%; Score 12; DB 4; Length 410;  
Best Local Similarity 100.0%; Pred. No. 0.00037;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MKLIMVLMAL 12  
Db 1 MKLIMVLMAL 12

RESULT 13

US-09-620-405B-494  
Sequence 494, Application US/09620405B  
Patent No. 6528054  
GENERAL INFORMATION:  
APPLICANT: Jiang, Yugu  
APPLICANT: Dillon, Davin C.  
APPLICANT: Mitcham, Jennifer L.  
APPLICANT: Xu, Jianshun  
APPLICANT: Harlocker, Susan L.  
APPLICANT: Hepler, William T.  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER  
FILE REFERENCE: 210121.470C8  
CURRENT APPLICATION NUMBER: US/09/620.405B  
CURRENT FILING DATE: 2000-07-20  
NUMBER OF SEQ ID NOS: 495  
SOFTWARE: FASTSEQ for windows version 3.0  
SEQ ID NO 494  
LENGTH: 743  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: variant  
LOCATION: (1)..(743)  
OTHER INFORMATION: Xaa = Any amino acid  
US-09-620-405B-494

Query Match 12.6%; Score 12; DB 4; Length 743;  
Best Local Similarity 100.0%; Pred. No. 0.00062;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MKLIMVLMAL 12  
Db 1 MKLIMVLMAL 12

RESULT 14

US-09-620-405B-493  
Sequence 493, Application US/09620405B  
Patent No. 6528054  
GENERAL INFORMATION:  
APPLICANT: Jiang, Yugu  
APPLICANT: Dillon, Davin C.  
APPLICANT: Mitcham, Jennifer L.  
APPLICANT: Xu, Jianshun  
APPLICANT: Harlocker, Susan L.  
APPLICANT: Hepler, William T.  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER  
FILE REFERENCE: 210121.470C8

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; CURRENT APPLICATION NUMBER: US/09/620,405B
; CURRENT FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 495
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 493
; LENGTH: 1095
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: variant
; LOCATION: (1)...(1095)
; OTHER INFORMATION: Xaa = Any amino acid
US-09-620-405B-493

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Best Local Similarity 100.0%; Pred. No. 0.00087;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      1 MKLLVLMAL 12
Db      1 MKLLVLMAL 12

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RESULT 15
US-09-162-622-17
; Sequence 17, Application US/09162622
; Patent No. 6566072
; GENERAL INFORMATION:
; APPLICANT: WATSON, MARK A
; APPLICANT: FLEMING, TIMOTHY P
; TITLE OF INVENTION: Mamaglobin, A Secreted Mammary-Specific Breast Cancer
; TITLE OF INVENTION: Protein
; FILE REFERENCE: 6026-5134
; CURRENT APPLICATION NUMBER: US/09/162,622
; CURRENT FILING DATE: 1998-09-29
; EARLIER APPLICATION NUMBER: 08/933,149
; EARLIER FILING DATE: 1997-09-18
; EARLIER APPLICATION NUMBER: PCT/US96/08235
; EARLIER FILING DATE: 1996-05-31
; EARLIER APPLICATION NUMBER: 08/455,896
; EARLIER FILING DATE: 1995-05-31
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
; LENGTH: 74
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-162-622-17

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Query Match      11.6%; Score 11; DB 4; Length 74;
Best Local Similarity 100.0%; Pred. No. 0.0008;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      41 EYKELQEFID 51
Db      22 EYKELQEFID 32

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Job time : 17 secs

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GenCore version 5.1.6  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: October 30, 2003, 14:06:33 [Search time 23 Seconds  
(without alignments)  
706.908 Million cell updates/sec

Title: US-09-806-302a-2  
Perfect score: 95  
Sequence: 1 MKLMTMLAALLHCHYADS.....NFGIMHTVYDSICNMKN 95

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Gapop 60.0 , Gapext 60.0

Searched: 642050 seqs, 171146064 residues

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Minimum DB seq length: 0

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Post-processing: Listing first 45 summaries

- Database : Published Applications AA:\*
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  - 3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*
  - 4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep.\*
  - 5: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB.pep.\*
  - 6: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep.\*
  - 7: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB.pep.\*
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  - 14: /cgn2\_6/ptodata/2/pubpaa/US10\_PUBCOMB.pep.\*
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  - 17: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*
  - 18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	95	100.0	95	9 US-09-110-716-31	Sequence 31, Appl
2	95	100.0	95	10 US-09-985-911-6	Sequence 6, Appl
3	95	100.0	95	12 US-10-119-431-27	Sequence 27, Appl
4	95	100.0	95	15 US-10-097-340-187	Sequence 187, App
5	95	100.0	95	15 US-10-177-293-280	Sequence 280, App
6	77	81.1	77	9 US-09-110-716-13	Sequence 13, Appl
7	65	68.4	76	9 US-09-110-716-40	Sequence 40, Appl
8	12	12.6	13	9 US-09-757-417-29	Sequence 29, Appl
9	12	12.6	13	15 US-10-042-945-29	Sequence 29, Appl
10	12	12.6	90	11 US-09-905-673-28	Sequence 28, Appl
11	12	12.6	90	11 US-09-905-673-54	Sequence 54, Appl
12	12	12.6	90	12 US-10-096-319-28	Sequence 28, Appl
13	12	12.6	90	12 US-10-096-319-54	Sequence 54, Appl
14	12	12.6	93	9 US-09-757-417-27	Sequence 27, Appl
15	12	12.6	93	10 US-09-934-054-3	Sequence 3, Appl

16	12	12.6	93	10	US-09-934-054-10	Sequence 10, Appl
17	12	12.6	93	11	US-09-975-502A-5	Sequence 5, Appl
18	12	12.6	93	11	US-09-905-673-1	Sequence 1, Appl
19	12	12.6	93	11	US-09-905-673-29	Sequence 29, Appl
20	12	12.6	93	11	US-09-905-673-30	Sequence 30, Appl
21	12	12.6	93	11	US-09-905-673-31	Sequence 31, Appl
22	12	12.6	93	11	US-09-905-673-32	Sequence 32, Appl
23	12	12.6	93	11	US-09-905-673-33	Sequence 33, Appl
24	12	12.6	93	11	US-09-905-673-34	Sequence 34, Appl
25	12	12.6	93	11	US-09-905-673-52	Sequence 52, Appl
26	12	12.6	93	11	US-09-905-673-53	Sequence 53, Appl
27	12	12.6	93	12	US-10-124-805-503	Sequence 503, App
28	12	12.6	93	12	US-10-096-319-1	Sequence 1, Appl
29	12	12.6	93	12	US-10-096-319-29	Sequence 29, Appl
30	12	12.6	93	12	US-10-096-319-31	Sequence 31, Appl
31	12	12.6	93	12	US-10-096-319-32	Sequence 32, Appl
32	12	12.6	93	12	US-10-096-319-33	Sequence 33, Appl
33	12	12.6	93	12	US-10-096-319-34	Sequence 34, Appl
34	12	12.6	93	12	US-10-096-319-52	Sequence 52, Appl
35	12	12.6	93	12	US-10-096-319-53	Sequence 53, Appl
36	12	12.6	93	14	US-10-007-805-503	Sequence 503, App
37	12	12.6	93	15	US-10-076-622-503	Sequence 503, App
38	12	12.6	93	15	US-10-042-945-27	Sequence 27, Appl
39	12	12.6	93	15	US-10-157-931-56	Sequence 56, Appl
40	12	12.6	93	15	US-10-177-293-278	Sequence 278, Appl
41	12	12.6	93	15	US-10-042-945-58	Sequence 58, Appl
42	12	12.6	101	15	US-10-042-945-59	Sequence 59, Appl
43	12	12.6	102	15	US-09-757-417-47	Sequence 47, Appl
44	12	12.6	132	9	US-10-042-945-47	Sequence 47, Appl
45	12	12.6	132	15	US-10-042-945-47	Sequence 47, Appl

ALIGNMENTS

RESULT 1  
US-09-110-716-31  
; Sequence 31, Application US/09110716A  
; Patent No. US20020034739A1  
; GENERAL INFORMATION:  
; APPLICANT: Lehner, Robert I.  
; APPLICANT: Zhao, Chengquan  
; APPLICANT: Glasgow, Benjamin J.  
; TITLE OF INVENTION: PEPTIDES CHARACTERISTIC OF CERTAIN TUMORS  
; FILE REFERENCE: 22000-20596.00  
; CURRENT APPLICATION NUMBER: US/09/110,716A  
; CURRENT FILING DATE: 1998-07-07  
; NUMBER OF SEQ. ID NOS.: 41  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ. ID NO. 31  
; LENGTH: 95  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-110-716-31

Query Match 100.0%, Score 95, DB 9, Length 95;  
Best Local Similarity 100.0%, Pred. No. 5.8e-84;  
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MKLMTMLAALLHCHYADSGCKLEDEVEKTSISIPYKELQEFIDSDAAABAMG 60  
DB 1 MKLMTMLAALLHCHYADSGCKLEDEVEKTSISIPYKELQEFIDSDAAABAMG 60  
QY 61 KFKOCFLNOSHRTLNKFGIMHTVYDSICNMKN 95  
DB 61 KFKOCFLNOSHRTLNKFGIMHTVYDSICNMKN 95  
RESULT 2  
US-09-985-911-6  
; Sequence 6, Application US/09985911  
; Patent No. US20020151012A1  
; GENERAL INFORMATION:

APPLICANT: NI ET AL.  
TITLE OF INVENTION: HUMAN ENDOMETRIAL SPECIFIC STEROID-BINDING FACTOR I, II AND III  
FILE REFERENCE: PF257D3  
CURRENT APPLICATION NUMBER: US/09/985,911  
CURRENT FILING DATE: 2001-11-06  
PRIOR APPLICATION NUMBER: 09/583,169  
PRIOR FILING DATE: 2000-05-30  
PRIOR APPLICATION NUMBER: 09/263,810  
PRIOR FILING DATE: 1999-03-08  
PRIOR APPLICATION NUMBER: 08/821,451  
PRIOR FILING DATE: 1997-03-21  
PRIOR APPLICATION NUMBER: 60/014,724  
PRIOR FILING DATE: 1996-03-21  
NUMBER OF SEQ ID NOS: 27  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO: 6  
LENGTH: 95  
TYPE: PRT  
ORGANISM: human  
US-09-985-911-6

Query Match 100.0%; Score 95; DB 10; Length 95;  
Best Local Similarity 100.0%; Pred. No. 5,8e-84;  
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MKLWVLMALALLHCYADSGCKLEDMVEKTIINSISIPYKELLOEFIDSDAAAEANG 60  
DB 1 MKLWVLMALALLHCYADSGCKLEDMVEKTIINSISIPYKELLOEFIDSDAAAEANG 60  
OY 61 KFKOCFLNOSHRTLKNFGLMHTVYDSICNMKSN 95  
DB 61 KFKOCFLNOSHRTLKNFGLMHTVYDSICNMKSN 95

RESULT 3  
US-10-119-431-27  
Sequence 27, Application US/10119431  
Publication No. US20030152939A1  
GENERAL INFORMATION:  
APPLICANT: Smithson, Glenda  
APPLICANT: Zernhusen, Bryan  
APPLICANT: Zhong, Mei  
APPLICANT: Khramtsov, Nikolai  
APPLICANT: Li, Li  
APPLICANT: Gusev, Vladimir  
APPLICANT: Padigaru, Muradhar  
APPLICANT: Andersson, David  
APPLICANT: Shinkets, Richard A.  
TITLE OF INVENTION: NOVEL SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING  
TITLE OR INVENTION: THEM  
FILE REFERENCE: Cura-29 CIP1  
CURRENT APPLICATION NUMBER: US/10/119,431  
CURRENT FILING DATE: 2002-11-15  
PRIOR APPLICATION NUMBER: 60/103,195  
PRIOR FILING DATE: 1998-10-06  
PRIOR APPLICATION NUMBER: 60/282,548  
PRIOR FILING DATE: 2001-04-09  
PRIOR APPLICATION NUMBER: 09/412,231  
PRIOR FILING DATE: 1999-10-05  
NUMBER OF SEQ ID NOS: 46  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO: 27  
LENGTH: 95  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-119-431-27

Query Match 100.0%; Score 95; DB 12; Length 95;  
Best Local Similarity 100.0%; Pred. No. 5,8e-84;  
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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DB 1 MKLWVLMALALLHCYADSGCKLEDMVEKTIINSISIPYKELLOEFIDSDAAAEANG 60

DB 1 MKLWVLMALALLHCYADSGCKLEDMVEKTIINSISIPYKELLOEFIDSDAAAEANG 60  
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DB 61 KFKOCFLNOSHRTLKNFGLMHTVYDSICNMKSN 95

RESULT 4  
US-10-097-340-187  
Sequence 187, Application US/10097340  
Publication No. US20030087250A1  
GENERAL INFORMATION:  
APPLICANT: John MONAHAN  
APPLICANT: Manjula GANNANAVARAPU  
APPLICANT: Sebastian HOERSCH  
APPLICANT: Shubhangi KAMATKAR  
APPLICANT: Steve G KOVATS  
APPLICANT: Rachel E. MEYERS  
APPLICANT: Michael MORRISSEY  
APPLICANT: Peter OLANDT  
APPLICANT: Ami SEN  
APPLICANT: Peter VEIBY  
APPLICANT: Gordon B. MILLS  
APPLICANT: Robert C. BAST, Jr.  
APPLICANT: Karen LU  
APPLICANT: Rosemarie SCHMANDT  
APPLICANT: Xumei ZHAO  
APPLICANT: Karen GLATT  
TITLE OF INVENTION: Nucleic Acid Molecules and Proteins For The Identification,  
FILE REFERENCE: MRI-030  
CURRENT APPLICATION NUMBER: US/10/097,340  
CURRENT FILING DATE: 2002-03-14  
PRIOR APPLICATION NUMBER: 60/276,025  
PRIOR FILING DATE: 2001-03-14  
PRIOR APPLICATION NUMBER: 60/325,149  
PRIOR FILING DATE: 2001-09-26  
PRIOR APPLICATION NUMBER: 60/276,026  
PRIOR FILING DATE: 2001-03-14  
PRIOR APPLICATION NUMBER: 60/324,967  
PRIOR FILING DATE: 2001/09/26  
PRIOR APPLICATION NUMBER: 60/311,732  
PRIOR FILING DATE: 2001-08-10  
PRIOR APPLICATION NUMBER: 60/325,102  
PRIOR FILING DATE: 2001-09-26  
PRIOR APPLICATION NUMBER: 60/323,580  
PRIOR FILING DATE: 2001-09-19  
NUMBER OF SEQ ID NOS: 363  
SOFTWARE: PasteSeq for Windows Version 4.0  
SEQ ID NO: 187  
LENGTH: 95  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-097-340-187

Query Match 100.0%; Score 95; DB 15; Length 95;  
Best Local Similarity 100.0%; Pred. No. 5,8e-84;  
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MKLWVLMALALLHCYADSGCKLEDMVEKTIINSISIPYKELLOEFIDSDAAAEANG 60  
DB 1 MKLWVLMALALLHCYADSGCKLEDMVEKTIINSISIPYKELLOEFIDSDAAAEANG 60  
OY 61 KFKOCFLNOSHRTLKNFGLMHTVYDSICNMKSN 95  
DB 61 KFKOCFLNOSHRTLKNFGLMHTVYDSICNMKSN 95

RESULT 5  
US-10-177-293-280  
Sequence 280, Application US/10177293  
Publication No. US20030124128A1  
GENERAL INFORMATION:

```

; APPLICANT: Lillie, James
; APPLICANT: Glatc, Karen
; APPLICANT: Zhao, Xumei
; APPLICANT: Gannavarpu, Manjula
; APPLICANT: Kamakar, Shubangui
; APPLICANT: Mertens, Maureen
; APPLICANT: Meyer, Vic
; APPLICANT: Wang, Youzhen
; APPLICANT: Xu, Yongyao
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Monahan, John
; APPLICANT: Meyers, Rachel E.
; APPLICANT: Bast Jr., Robert C.
; APPLICANT: Hortobagyi, Gabriel N.
; APPLICANT: Pusztai, Lajos
; APPLICANT: Meric, Fumda
; APPLICANT: Sahin, Aysegul
; APPLICANT: Miller, Gordon B.
; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,
; FILE REFERENCE: PREVENTION, AND THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-038
; CURRENT APPLICATION NUMBER: US/10/177,293
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: US 60/299,887
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: US 60/301,572
; PRIOR FILING DATE: 2001-06-27
; PRIOR APPLICATION NUMBER: US 60/306,501
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: US 60/325,002
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US 60/362,585
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/xxx,xxx
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 506
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 280
; LENGTH: 95
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-177-293-280

Query Match      100.0%; Score 95; DB 15; Length 95;
Best Local Similarity 100.0%; Pred. No. 5.8e-84;
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 MKLLMTMLAALLHGYADSGCKLEDWEKTSIDISPEYKELLOEFTIDSDAAAEAMG 60
Db 1 MKLLMTMLAALLHGYADSGCKLEDWEKTSIDISPEYKELLOEFTIDSDAAAEAMG 60

Cy 61 KFKQCFINOSHRTLNKFGIMHTVYDSIWCNKN 95
Db 61 KFKQCFINOSHRTLNKFGIMHTVYDSIWCNKN 95

RESULT 6
US-09-110-716-13
; Sequence 13, Application US/09110716A
; Patent No. US20020034739A1
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Zhao, Chengquan
; APPLICANT: Glasgow, Benjamin J.
; TITLE OF INVENTION: PEPTIDES CHARACTERISTIC OF CERTAIN TUMORS
; FILE REFERENCE: 22000-20596.00
; CURRENT APPLICATION NUMBER: US/09/110,716A
; CURRENT FILING DATE: 1998-07-07
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 13
; LENGTH: 77
; TYPE: PRT

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; ORGANISM: Lipophilin C
US-09-110-716-13

Query Match      81.1%; Score 77; DB 9; Length 77;
Best Local Similarity 100.0%; Pred. No. 1e-66;
Matches 77; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 19 DSGCKLEDWEKTSIDISPEYKELLOEFTIDSDAAAEAMGKQCFINOSHRTLNKFG 78
Db 1 DSGCKLEDWEKTSIDISPEYKELLOEFTIDSDAAAEAMGKQCFINOSHRTLNKFG 60

Cy 79 LMHTVYDSIWCNKN 95
Db 61 LMHTVYDSIWCNKN 77

RESULT 7
US-09-110-716-40
; Sequence 40, Application US/09110716A
; Patent No. US20020034739A1
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Zhao, Chengquan
; APPLICANT: Glasgow, Benjamin J.
; TITLE OF INVENTION: PEPTIDES CHARACTERISTIC OF CERTAIN TUMORS
; FILE REFERENCE: 22000-20596.00
; CURRENT APPLICATION NUMBER: US/09/110,716A
; CURRENT FILING DATE: 1998-07-07
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 40
; LENGTH: 76
; TYPE: PRT
; ORGANISM: Lpnc
US-09-110-716-40

Query Match      68.4%; Score 65; DB 9; Length 76;
Best Local Similarity 100.0%; Pred. No. 3.6e-55;
Matches 65; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 19 DSGCKLEDWEKTSIDISPEYKELLOEFTIDSDAAAEAMGKQCFINOSHRTLNKFG 78
Db 1 DSGCKLEDWEKTSIDISPEYKELLOEFTIDSDAAAEAMGKQCFINOSHRTLNKFG 60

Cy 79 LMHT 83
Db 61 LMHT 65

RESULT 8
US-09-757-417-29
; Sequence 29, Application US/09757417
; Patent No. US20020082216A1
; GENERAL INFORMATION:
; APPLICANT: Fanger, Gary R.
; APPLICANT: Foy, Theresa M.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Reed, Steven G.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
; FILE REFERENCE: 210121.479C1
; CURRENT APPLICATION NUMBER: US/09/757,417
; CURRENT FILING DATE: 2001-01-08
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 29
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-757-417-29

Query Match      12.6%; Score 12; DB 9; Length 13;
Best Local Similarity 100.0%; Pred. No. 8.1e-05;

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Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MKLWVLMAL 12  
| | | | |  
Db 1 MKLWVLMAL 12

RESULT 9  
US-10-042-945-29

; Sequence 29, Application US/10042945  
; Publication No. US20030045468A1  
; GENERAL INFORMATION:  
; APPLICANT: Fling, Steven P.  
; APPLICANT: Foy, Teresa M.  
; APPLICANT: Clapper, Jonathan D.  
; APPLICANT: Wang, Aljun  
; APPLICANT: Johnson, Jeffrey C.  
; APPLICANT: McNeill, Patricia D.  
; APPLICANT: Sutherland, R. Alec  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY,  
; FILE REFERENCE: 210121.479C3  
; CURRENT APPLICATION NUMBER: US/10/042,945  
; CURRENT FILING DATE: 2002-01-08  
; NUMBER OF SEQ ID NOS: 69  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 29  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-042-945-29

Query Match 12.6%; Score 12; DB 15; Length 13;  
Best Local Similarity 100.0%; Pred. No. 8.1e-05;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MKLWVLMAL 12  
| | | | |  
Db 1 MKLWVLMAL 12

RESULT 10  
US-09-905-673-28  
; Sequence 28, Application US/09905673  
; Publication No. US20030059432A1  
; GENERAL INFORMATION:  
; APPLICANT: Fanger, Gary R.  
; APPLICANT: Dillon, Davin C.  
; TITLE OF INVENTION: LIPOPHILIN COMPLEXES FOR USE IN CANCER  
; FILE REFERENCE: 210121.498C1  
; CURRENT APPLICATION NUMBER: US/09/905,673  
; CURRENT FILING DATE: 2001-07-13  
; NUMBER OF SEQ ID NOS: 67  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 28  
; LENGTH: 90  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-905-673-28

Query Match 12.6%; Score 12; DB 11; Length 90;  
Best Local Similarity 100.0%; Pred. No. 0.00043;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MKLWVLMAL 12  
| | | | |  
Db 1 MKLWVLMAL 12

RESULT 11  
US-09-905-673-54  
; Sequence 54, Application US/09905673

; Publication No. US20030059432A1  
; GENERAL INFORMATION:  
; APPLICANT: Dillon, Davin C.  
; APPLICANT: Fanger, Gary R.  
; TITLE OF INVENTION: LIPOPHILIN COMPLEXES FOR USE IN CANCER  
; FILE REFERENCE: 210121.498C1  
; CURRENT APPLICATION NUMBER: US/09/905,673  
; CURRENT FILING DATE: 2001-07-13  
; NUMBER OF SEQ ID NOS: 67  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 54  
; LENGTH: 90  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-905-673-54

Query Match 12.6%; Score 12; DB 11; Length 90;  
Best Local Similarity 100.0%; Pred. No. 0.00043;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MKLWVLMAL 12  
| | | | |  
Db 1 MKLWVLMAL 12

RESULT 12  
US-10-096-319-28  
; Sequence 28, Application US/10096319  
; Publication No. US20030170246A1  
; GENERAL INFORMATION:  
; APPLICANT: Fanger, Gary R.  
; APPLICANT: Durham, Margarita  
; APPLICANT: Houghton, Raymond L.  
; APPLICANT: Dillon, Davin C.  
; APPLICANT: Carter, Darrick  
; APPLICANT: Peters, David H.  
; TITLE OF INVENTION: LIPOPHILIN COMPLEXES FOR USE IN CANCER  
; FILE REFERENCE: 210121.498C2  
; CURRENT APPLICATION NUMBER: US/10/096,319  
; CURRENT FILING DATE: 2002-03-12  
; NUMBER OF SEQ ID NOS: 78  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 28  
; LENGTH: 90  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-096-319-28

Query Match 12.6%; Score 12; DB 12; Length 90;  
Best Local Similarity 100.0%; Pred. No. 0.00043;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MKLWVLMAL 12  
| | | | |  
Db 1 MKLWVLMAL 12

RESULT 13  
US-10-096-319-54  
; Sequence 54, Application US/10096319  
; Publication No. US20030170246A1  
; GENERAL INFORMATION:  
; APPLICANT: Fanger, Gary R.  
; APPLICANT: Durham, Margarita  
; APPLICANT: Houghton, Raymond L.  
; APPLICANT: Dillon, Davin C.  
; APPLICANT: Carter, Darrick  
; APPLICANT: Peters, David H.  
; TITLE OF INVENTION: LIPOPHILIN COMPLEXES FOR USE IN CANCER  
; FILE REFERENCE: 210121.498C2

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; CURRENT APPLICATION NUMBER: US/10/096,319
; CURRENT FILING DATE: 2002-03-12
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 54
; LENGTH: 90
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-096-319-54

Query Match      12.6%; Score 12; DB 12; Length 90;
Best Local Similarity 100.0%; Pred. No. 0.00043;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      1 MKLIMVLMAL 12
Db      1 MKLIMVLMAL 12

RESULT 14
US-09-757-417-27
; Sequence 27, Application US/09757417
; Patent No. US20020082216A1
; GENERAL INFORMATION:
; APPLICANT: Fanger, Gary R.
; APPLICANT: Foy, Theresa M.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Reed, Steven G.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
; FILE REFERENCE: 210121.479C1
; CURRENT APPLICATION NUMBER: US/09/757,417
; CURRENT FILING DATE: 2001-01-08
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 27
; LENGTH: 93
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-757-417-27

Query Match      12.6%; Score 12; DB 9; Length 93;
Best Local Similarity 100.0%; Pred. No. 0.00045;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      1 MKLIMVLMAL 12
Db      1 MKLIMVLMAL 12

RESULT 15
US-09-934-054-3
; Sequence 3, Application US/09934054
; Patent No. US20020107385A1
; GENERAL INFORMATION:
; APPLICANT: Akerblom, Ingrid E.
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Murry, Lynn E.
; APPLICANT: Goll, Surya K.
; APPLICANT: Hawkins, Phillip R.
; TITLE OF INVENTION: BREAST TUMOR SPECIFIC PROTEINS
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 2200 Sand Hill Road, Suite 100
; CITY: Menlo Park
; STATE: CA
; COUNTRY: USA
; ZIP: 94025-6936
; COMPUTER READABLE FORM:
; MEDIUM TYPE: floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
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; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/934,054
; FILING DATE: 21-Aug-2001
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/747,547
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0077 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 93 amino acids
; TYPE: amino acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: <Unknown>
; SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-934-054-3

Query Match      12.6%; Score 12; DB 10; Length 93;
Best Local Similarity 100.0%; Pred. No. 0.00045;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      1 MKLIMVLMAL 12
Db      1 MKLIMVLMAL 12

Search completed: October 30, 2003, 14:10:45
Job time : 24 secs
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GenCore version 5.1.6  
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: October 30, 2003, 13:15:12 (Search time 21 Seconds  
191.406 Million cell updates/sec)

Title: US-09-806-302A-2

Perfect score: 496  
Sequence: 1 MKLLMTVLMALHLHCYADS.....NFGIMHTVDSIWCNKN 95

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 4231086 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :  
1: Issued Patents AA:\*  
2: /cgn2\_6/prodata/1/1aa/5A\_COMB.pep:\*  
3: /cgn2\_6/prodata/1/1aa/5B\_COMB.pep:\*  
4: /cgn2\_6/prodata/1/1aa/5A\_COMB.pep:\*  
5: /cgn2\_6/prodata/1/1aa/5B\_COMB.pep:\*  
6: /cgn2\_6/prodata/1/1aa/5C\_COMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	496	100.0	95	3	US-08-821-451A-6
2	496	100.0	95	3	US-09-263-810-6
3	496	100.0	95	4	US-09-583-163-6
4	281	56.7	93	1	US-08-453-896-2
5	281	56.7	93	2	US-08-933-149-2
6	281	56.7	93	3	US-09-082-343-2
7	281	56.7	93	3	US-09-082-253-2
8	281	56.7	93	4	US-09-215-818-5
9	281	56.7	93	4	US-09-467-602A-5
10	281	56.7	93	4	US-09-162-622-2
11	281	56.7	93	5	PCT-US96-08235-2
12	281	56.7	410	4	US-09-620-405B-495
13	281	56.7	743	4	US-09-620-405B-494
14	281	56.7	1095	4	US-09-620-405B-493
15	206	41.5	74	4	US-09-162-622-17
16	196.5	39.6	95	3	US-08-821-451A-27
17	196.5	39.6	95	3	US-09-263-810-27
18	196.5	39.6	95	4	US-09-583-163-27
19	195.5	39.4	95	1	US-08-453-896-7
20	195.5	39.4	95	2	US-08-933-149-7
21	195.5	39.4	95	2	US-09-082-343-7
22	195.5	39.4	95	3	US-09-082-253-7
23	195.5	39.4	95	4	US-09-162-622-7
24	195.5	39.4	95	5	PCT-US96-08235-7
25	65	13.1	1255	3	US-08-947-823-3
26	64.5	13.0	271	4	US-09-328-352-4569
27	63.5	12.8	582	1	US-08-431-080-16

28	63.5	12.8	582	2	US-08-938-534-16	Sequence 16, App1
29	63.5	12.8	582	4	US-09-345-234-16	Sequence 16, App1
30	62.5	12.6	235	4	US-09-328-352-6597	Sequence 6597, App
31	62.5	12.6	576	4	US-09-252-991A-30303	Sequence 30303, A
32	62	12.5	496	4	US-09-107-532A-4616	Sequence 4616, Ap
33	61.5	12.4	233	4	US-09-328-352-7602	Sequence 7602, Ap
34	61.5	12.4	1604	4	US-09-004-838-95	Sequence 95, App1
35	61	12.3	446	2	US-08-922-171-3	Sequence 3, App1
36	61	12.3	470	4	US-09-328-352-8240	Sequence 8240, Ap
37	61	12.3	472	2	US-08-922-171-2	Sequence 2, App1
38	61	12.3	765	4	US-09-975-326-4	Sequence 4, App1
39	61	12.3	766	4	US-09-975-326-2	Sequence 2, App1
40	61	12.3	1257	3	US-08-947-823-5	Sequence 5, App1
41	60.5	12.2	180	4	US-09-996-243-256	Sequence 256, App
42	59.5	12.0	114	1	US-08-031-399-3	Sequence 3, App1
43	59.5	12.0	114	1	US-08-031-399-6	Sequence 6, App1
44	59.5	12.0	114	1	US-08-031-399-12	Sequence 12, App1
45	59.5	12.0	114	1	US-08-393-305-3	Sequence 3, App1

## ALIGNMENTS

RESULT 1  
US-08-821-451A-6  
Sequence 6, Application US/08821451A  
Patent No. 6066724  
GENERAL INFORMATION:  
APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Genz  
TITLE OF INVENTION: Human Endometrial Specific Steroid-  
NUMBER OF SEQUENCES: 27  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: CECCHIA, BYRNE, BAIN, GILFILLAN,  
ADDRESS: CECCHIA, STEWART & OLSTEIN  
STREET: 6 BECKER FARM ROAD  
CITY: ROSELAND  
STATE: NEW JERSEY  
COUNTRY: USA  
ZIP: 07068  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 INCH DISKETTE  
COMPUTER: IBM PS/2  
OPERATING SYSTEM: MS-DOS  
SOFTWARE: WORD PERFECT 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/821,451A  
FILING DATE: March 21, 1997  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/014,724  
FILING DATE: March 21, 1996  
ATTORNEY/AGENT INFORMATION:  
NAME: MULLINS, J.G.  
REGISTRATION NUMBER: 33,073  
REFERENCE/DOCKET NUMBER: 325800-521 (PF257)  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201-994-1700  
TELEFAX: 201-994-1744  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 95 AMINO ACIDS  
TYPE: AMINO ACID  
STRANDEDNESS:  
TOPOLOGY: LINEAR  
MOLECULE TYPE: PROTEIN  
US-08-821-451A-6  
Query Match 100.0%; Score 496; DB 3; Length 95;  
Best Local Similarity 100.0%; Pred. No. 9.4e-54;  
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MKLLMTVLMALHLHCYADSGCKLHEDVETKINSISIPYKELQFIIDQAAAEAKG 60

Db 1 MKLWVLMALALLHCHYADSGCKLLEDMVEKTNISDIPEYKELLOEFIDSDAAAEAMG 60

Qy 61 KFKOCFLNOSHRTLNKFGMLMHTVYDSIWCNMKN 95  
61 KFKOCFLNOSHRTLNKFGMLMHTVYDSIWCNMKN 95

## RESULT 2

US-09-263-810-6  
Sequence 6, Application US/09263810  
Patent No. 6174992

## GENERAL INFORMATION:

APPLICANT: JIAN NI, GUO-LIANG YU AND REINER GENETZ  
TITLE OF INVENTION: Human Endometrial Specific Steroid-  
NUMBER OF SEQUENCES: 27  
CORRESPONDENCE ADDRESS: 27

ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,

ADDRESSEE: CECCHI, STEWART & OLSTEIN

STREET: 6 BECKER FARM ROAD

CITY: ROSELAND

STATE: NEW JERSEY

COUNTRY: USA

ZIP: 07068

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 INCH DISKETTE

COMPUTER: IBM PS/2

OPERATING SYSTEM: MS-DOS

SOFTWARE: WORD PERFECT 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/263,810

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/821,451

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: MULLINS, J.G.

REGISTRATION NUMBER: 33,073

REFERENCE/DOCKET NUMBER: 325800-521 (PF257)

TELECOMMUNICATION INFORMATION:

TELEPHONE: 201-994-1700

TELEFAX: 201-994-1744

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 95 AMINO ACIDS

TYPE: AMINO ACID

STRANDEDNESS:

TOPOLOGY: LINEAR

MOLECULE TYPE: PROTEIN

US-09-263-810-6

Query Match 100.0%; Score 496; DB 3; Length 95;

Best Local Similarity 100.0%; Pred. No. 9,4e-54;

Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

## RESULT 3

US-09-583-169-6

Sequence 6, Application US/09583169

Patent No. 6338948

GENERAL INFORMATION:

APPLICANT: JIAN NI, GUO-LIANG YU AND REINER GENETZ  
TITLE OF INVENTION: Human Endometrial Specific Steroid-

TITLE OF INVENTION: Binding Factor I, II and III

NUMBER OF SEQUENCES: 27

CORRESPONDENCE ADDRESS: 27

ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,

ADDRESSEE: CECCHI, STEWART & OLSTEIN

STREET: 6 BECKER FARM ROAD

CITY: ROSELAND

STATE: NEW JERSEY

COUNTRY: USA

ZIP: 07068

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 INCH DISKETTE

COMPUTER: IBM PS/2

OPERATING SYSTEM: MS-DOS

SOFTWARE: WORD PERFECT 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/583,169

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/821,451

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: MULLINS, J.G.

REGISTRATION NUMBER: 33,073

REFERENCE/DOCKET NUMBER: 325800-521 (PF257)

TELECOMMUNICATION INFORMATION:

TELEPHONE: 201-994-1700

TELEFAX: 201-994-1744

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 95 AMINO ACIDS

TYPE: AMINO ACID

STRANDEDNESS:

TOPOLOGY: LINEAR

MOLECULE TYPE: PROTEIN

US-09-583-169-6

Query Match 100.0%; Score 496; DB 4; Length 95;

Best Local Similarity 100.0%; Pred. No. 9,4e-54;

Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

## RESULT 4

US-08-455-896-2

Sequence 2, Application US/08455896

Patent No. 5668267

GENERAL INFORMATION:

APPLICANT: WATSON, MARK A.

TITLE OF INVENTION: DNA SEQUENCE AND ENCODED

NUMBER OF SEQUENCES: 13

CORRESPONDENCE ADDRESS: 13

ADDRESSEE: ROGERS, HOWELL & HAFERKAMP

STREET: 7733 FORSYTH BOULEVARD, SUITE 1400

CITY: ST. LOUIS

STATE: MISSOURI

COUNTRY: USA

ZIP: 63105-1817

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25



```

1 CURRENT APPLICATION DATA:
2 APPLICATION NUMBER: US/08/455,896
3 FILING DATE:
4 CLASSIFICATION: 435
5 ATTORNEY/AGENT INFORMATION:
6 NAME: HOLLAND, DONALD R.
7 REGISTRATION NUMBER: 35,197
8 REFERENCE/DOCKET NUMBER: 952726
9 TELECOMMUNICATION INFORMATION:
10 TELEPHONE: (314) 727-5188
11 TELEFAX: (314) 727-6092
12 INFORMATION FOR SEQ ID NO: 2:
13 SEQUENCE CHARACTERISTICS:
14 LENGTH: 93 amino acids
15 TYPE: amino acid
16 STRANDEDNESS: single
17 TOPOLOGY: linear
18 MOLECULE TYPE: protein
19 HYPOTHEICAL: NO
20 US-08-455-896-2
21
22 Query Match 56.7%; Score 281; DB 1; Length 93;
23 Best Local Similarity 58.7%; Pred. No. 2,8e-27;
24 Matches 54; Conservative 13; Mismatches 25; Indels 0; Gaps 0
25
26 Oy 61 MKLIVMTAAALLHCYADSGCKLLEDMWEKTIINSDISIPYKELQEFIDSGAAAEAG 60
27 1 MKLIVMTAAALLHCYADSGCKLLEDMWEKTIINSDISIPYKELQEFIDSGAAAEAG 60
28 1 MKLIVMTAAALLHCYADSGCKLLEDMWEKTIINSDISIPYKELQEFIDSGAAAEAG 60
29 Db 1 MKLIVMTAAALLHCYADSGCKLLEDMWEKTIINSDISIPYKELQEFIDSGAAAEAG 60
30 Oy 61 KFNQCFINQSHRTLNKFGILMHTVYDSICWM 92
31 Db 61 ELKECFINQSHRTLNKFGILMHTVYDSICWM 92
32
33 RESULT 5
34 US-08-933-149-2
35 Sequence 2, Application US/08933149
36 Patent No. 5922836
37 GENERAL INFORMATION:
38 APPLICANT: WATSON, MARK A.
39 APPLICANT: FLEMING, TIMOTHY P.
40 TITLE OF INVENTION: MAMMAGLOBIN, A SECRETED
41 NUMBER OF SEQUENCES: 14
42 CORRESPONDENCE ADDRESS:
43 ADDRESSEE: HOWELL & HAFERKAMP, L.C.
44 STREET: 7733 FORSYTH BOULEVARD, SUITE 1400
45 CITY: ST. LOUIS
46 STATE: MISSOURI
47 COUNTRY: USA
48 ZIP: 63105-1817
49 COMPUTER READABLE FORM:
50 MEDIUM TYPE: Floppy disk
51 COMPUTER: IBM PC compatible
52 OPERATING SYSTEM: PC-DOS/MS-DOS
53 SOFTWARE: PatentIn Release #1.0, Version #1.25
54 CURRENT APPLICATION DATA:
55 APPLICATION NUMBER: US/08/933,149
56 FILING DATE:
57 CLASSIFICATION: 424
58 ATTORNEY/AGENT INFORMATION:
59 NAME: HENDERSON, MELODIE W.
60 REGISTRATION NUMBER: 37,848
61 REFERENCE/DOCKET NUMBER: 6029-6040
62 TELECOMMUNICATION INFORMATION:
63 TELEPHONE: (314) 727-5188
64 TELEFAX: (314) 727-6092
65 INFORMATION FOR SEQ ID NO: 2:
66 SEQUENCE CHARACTERISTICS:
67 LENGTH: 93 amino acids
68 TYPE: amino acid
69 STRANDEDNESS: single
70 TOPOLOGY: linear
71

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MOLECULE TYPE: protein
HYPOTHEetical: NO
US-08-933-149-2

Query Match
Best Local Similarity   56.7%; Score 281; DB 2; Length 93;
Matches    54; Conservative    13; Mismatches    25; Indels     0; Gaps      0;

Dd          Db          Qy          Ky
1 MKLWMLAALLLHCYADSCCKLEPMVEKTNISDISPEYEKLQEFIDSDAAEAMG 60
| | | | | : | | | | | : | | | | | : | | | | | : | | | | | : | | | | |
1 MKLWMLALAASHCHAGSGCPLEENVISKTIINPVQSKTEYEKKELQEFIDNATTAID 60

61 KEKGCFLNQSHTLTKNFGLMHITVDSIMWCNM 92
: : | | | | : | | | : | | | : | | | : | | | : | | | : | | | :
61 ELKECEFLNOTDETLNVSEVFQMQLIYDSLCDL 92

RESULT 6
US-09-082-343-2
Sequence 2, Application US/09082343
Patent No. 5968754
GENERAL INFORMATION:
APPLICANT: WATSON, MARK A.
APPLICANT: FLEMING, TIMOTHY P.
TITLE OF INVENTION: DNA SEQUENCE AND ENCODED
NUMBER OF INGENUES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: ROGERS, HOWELL & HAFERKAMP
STREET: 7733 FORSYTH BOULEVARD, SUITE 1400
CITY: ST. LOUIS
STATE: MISSOURI
COUNTRY: USA
ZIP: 63105-1817
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MR-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/082.343
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/455,896
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: HOLLAND, DONALD R.
REGISTRATION NUMBER: 35,197
REFERENCE/DOCKET NUMBER: 952726
TELECOMMUNICATION INFORMATION:
TELEPHONE: (314) 727-5188
TELEFAX: (314) 727-6092
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 93 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULAR TYPE: proteoin
HYPOTHEtical: NO
US-09-082-343-2

Query Match
Best Local Similarity   56.7%; Score 281; DB 2; Length 93;
Matches    54; Conservative    13; Mismatches    25; Indels     0; Gaps      0;

Dd          Db          Qy          Ky
1 MKLWMLAALLLHCYADSCCKLEPMVEKTNISDISPEYEKLQEFIDSDAAEAMG 60
| | | | | : | | | | | : | | | | | : | | | | | : | | | | | : | | | | |
1 MKLWMLALAASHCHAGSGCPLEENVISKTIINPVQSKTEYEKKELQEFIDNATTAID 60

61 KEKGCFLNQSHTLTKNFGLMHITVDSIMWCNM 92
: : | | | | : | | | : | | | : | | | : | | | : | | | : | | | :

```

Db 61 ELKECFLNQTDETLSNVEVFMQLIYDSSLCDL 92

RESULT 7  
US-09-082-253-2  
Sequence 2, Application US/09082253  
Patent No. 6004756  
GENERAL INFORMATION:  
APPLICANT: WATSON, MARK A.  
APPLICANT: FLEMING, TIMOTHY P.  
TITLE OF INVENTION: DNA SEQUENCE AND ENCODED  
NUMBER OF SEQUENCES: 13  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: ROGERS, HOWELL & HAERKAMP  
STREET: 7733 FORSYTH BOULEVARD, SUITE 1400  
CITY: ST. LOUIS  
STATE: MISSOURI  
COUNTRY: USA  
ZIP: 63105-1817  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/082, 253  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/455, 896  
FILING DATE: 05/31/1995  
ATTORNEY/AGENT INFORMATION:  
NAME: HOLLAND, DONALD R.  
REGISTRATION NUMBER: 35,197  
REFERENCE/DOCKET NUMBER: 952726  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (314) 727-5188  
TELEFAX: (314) 727-6092  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 93 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHETICAL: NO  
US-09-082-253-2

Query Match 56.7%; Score 281; DB 3; Length 93;  
Best Local Similarity 58.7%; Pred. No. 2.8e-27;  
Matches 54; Conservative 13; Mismatches 25; Indels 0; Gaps 0;

Qy 1 MLLWVLMALALHLCYADSGCKLLEDMVEKTNISDIPIYKELLOEFIDSDAAAEAMG 60  
Db 1 MLLWVLMALALHLCYADSGCKLLEDMVEKTNISDIPIYKELLOEFIDSDAAAEAMG 60

Qy 61 KFKQCFLNQSHRTLKNFGMLMHTVYDSICNM 92  
Db 61 ELKECFLNQTDETLSNVEVFMQLIYDSSLCDL 92

RESULT 8  
US-09-215-818-5  
Sequence 5, Application US/09215818A  
Patent No. 6379671  
GENERAL INFORMATION:  
APPLICANT: Colpitts, Tracey  
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR  
FILE REFERENCE: 5972-US-P2  
CURRENT APPLICATION NUMBER: US/09/215, 818A  
CURRENT FILING DATE: 1998-12-16

EARLIER APPLICATION NUMBER: 08/912, 276  
EARLIER FILING DATE: 1997-08-17  
EARLIER APPLICATION NUMBER: 08/697, 105  
EARLIER FILING DATE: 1996-08-19  
EARLIER APPLICATION NUMBER: 08/912, 149  
EARLIER FILING DATE: 1997-08-15  
EARLIER APPLICATION NUMBER: 08/697, 106  
EARLIER FILING DATE: 1996-08-19  
NUMBER OF SEQ ID NOS: 6  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 5  
LENGTH: 93  
TYPE: PRT  
ORGANISM: Homo Sapiens  
US-09-215-818-5

Query Match 56.7%; Score 281; DB 4; Length 93;  
Best Local Similarity 58.7%; Pred. No. 2.8e-27;  
Matches 54; Conservative 13; Mismatches 25; Indels 0; Gaps 0;

Qy 1 MLLWVLMALALHLCYADSGCKLLEDMVEKTNISDIPIYKELLOEFIDSDAAAEAMG 60  
Db 1 MLLWVLMALALHLCYADSGCKLLEDMVEKTNISDIPIYKELLOEFIDSDAAAEAMG 60

Qy 61 KFKQCFLNQSHRTLKNFGMLMHTVYDSICNM 92  
Db 61 ELKECFLNQTDETLSNVEVFMQLIYDSSLCDL 92

RESULT 9  
US-09-467-602A-5  
Sequence 5, Application US/09467602A  
Patent No. 6552164  
GENERAL INFORMATION:  
APPLICANT: Abbott Laboratories  
APPLICANT: Colpitts, Tracey L.  
APPLICANT: Russell, John C.  
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR  
FILE REFERENCE: 5972-US-P5  
CURRENT APPLICATION NUMBER: US/09/467, 602A  
CURRENT FILING DATE: 1999-12-20  
PRIOR APPLICATION NUMBER: US 08/215, 818  
PRIOR FILING DATE: 1998-12-18  
PRIOR APPLICATION NUMBER: US 08/912, 276  
PRIOR FILING DATE: 1997-08-17  
PRIOR APPLICATION NUMBER: US 08/697, 105  
PRIOR FILING DATE: 1996-08-19  
PRIOR APPLICATION NUMBER: US 08/912, 149  
PRIOR FILING DATE: 1997-08-15  
PRIOR APPLICATION NUMBER: US 08/697, 106  
PRIOR FILING DATE: 1996-08-19  
NUMBER OF SEQ ID NOS: 6  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 5  
LENGTH: 93  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-467-602A-5

```
RESULT 10
US-09-162-622-2
; Sequence 2, Application US/09162622
; Patent No. 6566072
; GENERAL INFORMATION:
; APPLICANT: WATSON, MARK A
; APPLICANT: FLEMING, TIMOTHY P
; TITLE OF INVENTION: Mamaglobin, A Secreted Mammary-Specific Breast Cancer
; FILE REFERENCE: 6029-5114
; CURRENT APPLICATION NUMBER: US/09/162,622
; CURRENT FILING DATE: 1998-09-29
; EARLIER APPLICATION NUMBER: 08/933,149
; EARLIER FILING DATE: 1997-09-18
; EARLIER APPLICATION NUMBER: PCT/US96/08235
; EARLIER FILING DATE: 1996-05-31
; EARLIER APPLICATION NUMBER: 08/455,896
; EARLIER FILING DATE: 1995-05-31
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: Patentm Ver. 2.0
; SEQ ID NO 2
; LENGTH: 93
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-162-622-2

Query Match      56.7%; Score 281; DB 4; Length 93;
Best Local Similarity 58.7%; Pred. No. 2.8e-27;
Matches 54; Conservative 13; Mismatches 25; Indels 0; Gaps 0;

QY 1 MKLIMVLMALALHCVADSGCKLLEDVVEKTIINSIDISPEYKELLOEFIDSDPAALAMG 60
DB 1 MKLIMVLMALALSHCHYAGSGCPLEENISKINPOVSKTEYKELLOEFIDSDPAATNAID 60
QY 61 KFOCFLNQSHRTLKAFGLMHTVYDSIWCNM 92
DB 61 ELKECFLNQTDFTLSNVEVFMQLIYDSSLCDL 92

RESULT 11
PCT-US96-08235-2
; Sequence 2, Application PC/TUS9608235
; GENERAL INFORMATION:
; APPLICANT: WATSON, MARK A
; APPLICANT: FLEMING, TIMOTHY P
; TITLE OF INVENTION: DNA SEQUENCE AND ENCODED
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ROGERS, HOWELL & HABERKAMP
; STREET: 7733 FORSYTH BOULEVARD, SUITE 1400
; CITY: ST. LOUIS
; STATE: MISSOURI
; COUNTRY: USA
; ZIP: 63105-1817
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentm Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/08235
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: HOLLAND, DONALD R.
; REGISTRATION NUMBER: 35,197
; REFERENCE/DOCKET NUMBER: 964796
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (314) 727-6092
; TELEFAX: (314) 727-6092
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
```

```
; LENGTH: 93 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
PCT-US96-08235-2

Query Match      56.7%; Score 281; DB 5; Length 93;
Best Local Similarity 58.7%; Pred. No. 2.8e-27;
Matches 54; Conservative 13; Mismatches 25; Indels 0; Gaps 0;

QY 1 MKLIMVLMALALHCVADSGCKLLEDVVEKTIINSIDISPEYKELLOEFIDSDPAALAMG 60
DB 1 MKLIMVLMALALSHCHYAGSGCPLEENISKINPOVSKTEYKELLOEFIDSDPAATNAID 60
QY 61 KFOCFLNQSHRTLKAFGLMHTVYDSIWCNM 92
DB 61 ELKECFLNQTDFTLSNVEVFMQLIYDSSLCDL 92

RESULT 12
US-09-620-405B-495
; Sequence 495, Application US/09620405B
; Patent No. 6528054
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugu
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.47008
; CURRENT APPLICATION NUMBER: US/09/620,405B
; CURRENT FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 495
; SOFTWARE: PasteSeq for Windows Version 3.0
; SEQ ID NO 495
; LENGTH: 410
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-620-405B-495

Query Match      56.7%; Score 281; DB 4; Length 410;
Best Local Similarity 58.7%; Pred. No. 1.9e-25;
Matches 54; Conservative 13; Mismatches 25; Indels 0; Gaps 0;

QY 1 MKLIMVLMALALHCVADSGCKLLEDVVEKTIINSIDISPEYKELLOEFIDSDPAALAMG 60
DB 1 MKLIMVLMALALSHCHYAGSGCPLEENISKINPOVSKTEYKELLOEFIDSDPAATNAID 60
QY 61 KFOCFLNQSHRTLKAFGLMHTVYDSIWCNM 92
DB 61 ELKECFLNQTDFTLSNVEVFMQLIYDSSLCDL 92

RESULT 13
US-09-620-405B-494
; Sequence 494, Application US/09620405B
; Patent No. 6528054
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugu
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.47008
; CURRENT APPLICATION NUMBER: US/09/620,405B
```

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; CURRENT FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 495
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 494
; LENGTH: 743
; TYPE: PRF
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: variant
; LOCATION: (1)...(743)
; OTHER INFORMATION: Xaa = Any amino acid
US-09-620-405B-494

```

```

Query Match          56.7%; Score 281; DB 4; Length 743;
Best Local Similarity 58.7%; Pred. No. 4.1e-26;
Matches 54; Conservative 13; Mismatches 25; Indels 0; Gaps 0;

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```

Qy 1 MKLIMVLMALLLHGYADSGCKLLEDMVEKTIINSISPEYKELLOEFIDSDAAAEANG 60
Db 1 MKLIMVLMALALSOHCYAGSGCPLEENYISKINPOVSKTEYKELLOEFIDSDAATNAID 60
Qy 61 KFKOCFLNOSHRTLNKFGMLMHTVYDSIWCNM 92
Db 61 ELKECFNLQDTETLSNVEYFMQLIYDSSLCDL 92

```

```

RESULT 14
US-09-620-405B-493
; Sequence 493, Application US/09620405B
; Patent No. 6528054
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugui
; APPLICANT: Dillon, Devin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.470C8
; CURRENT APPLICATION NUMBER: US/09/620,405B
; CURRENT FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 495
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 493
; LENGTH: 1095
; TYPE: PRF
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: variant
; LOCATION: (1)...(1095)
; OTHER INFORMATION: Xaa = Any amino acid
US-09-620-405B-493

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```

Query Match          56.7%; Score 281; DB 4; Length 1095;
Best Local Similarity 58.7%; Pred. No. 6.8e-26;
Matches 54; Conservative 13; Mismatches 25; Indels 0; Gaps 0;

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Qy 1 MKLIMVLMALALHGYADSGCKLLEDMVEKTIINSISPEYKELLOEFIDSDAAAEANG 60
Db 1 MKLIMVLMALALSOHCYAGSGCPLEENYISKINPOVSKTEYKELLOEFIDSDAATNAID 60
Qy 61 KFKOCFLNOSHRTLNKFGMLMHTVYDSIWCNM 92
Db 61 ELKECFNLQDTETLSNVEYFMQLIYDSSLCDL 92

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```

RESULT 15
US-09-162-622-17
; Sequence 17, Application US/09162622
; Patent No. 6566072
; GENERAL INFORMATION:
; APPLICANT: WATSON, MARK A

```

```

; APPLICANT: FLEMING, TIMOTHY P
; TITLE OF INVENTION: Mamaglobin, A Secreted Mammary-Specific Breast Cancer
; FILE REFERENCE: 6029-5134
; CURRENT APPLICATION NUMBER: US/09/162,622
; EARLIER FILING DATE: 1998-09-29
; EARLIER APPLICATION NUMBER: 08/933,149
; EARLIER FILING DATE: 1997-09-18
; EARLIER APPLICATION NUMBER: PCT/US96/08235
; EARLIER FILING DATE: 1996-05-31
; EARLIER APPLICATION NUMBER: 08/455,896
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
; LENGTH: 74
; TYPE: PRF
; ORGANISM: Homo sapiens
US-09-162-622-17

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Query Match          41.5%; Score 206; DB 4; Length 74;
Best Local Similarity 52.1%; Pred. No. 3.6e-18;
Matches 38; Conservative 13; Mismatches 22; Indels 0; Gaps 0;

```

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Qy 20 SCCKLLEDMVEKTIINSISPEYKELLOEFIDSDAAAEANGKFKOCFLNOSHRTLNKGL 79
Db 1 SCCKLLEDMVEKTIINSISPEYKELLOEFIDSDAATNAIDELKECFNLQDTETLSNVEY 60
Qy 80 MMHTVYDSIWCNM 92
Db 61 FMQLIYDSSLCDL 73

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Search completed: October 30, 2003, 14:03:04
Job time : 22 secs

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GenCore version 5.1.6  
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: October 30, 2003, 13:59:17 : Search time 46 Seconds  
(without alignments)  
353.454 Million cell updates/sec

Title: US-09-806-302a-2

Perfect score: 1 MKLWMLMALHLHCYADS.....NFGIMHTVYDSICMKN 95

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 642050 seqs, 171146064 residues

Total number of hits satisfying chosen parameters: 642050

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :

Published Applications AA:\*  
1: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep:\*  
2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep:\*  
3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep:\*  
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5: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB.pep:\*  
6: /cgn2\_6/ptodata/2/pubpaa/PCTUS\_PUBCOMB.pep:\*  
7: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB.pep:\*  
8: /cgn2\_6/ptodata/2/pubpaa/US08\_PUBCOMB.pep:\*  
9: /cgn2\_6/ptodata/2/pubpaa/US09\_PUBCOMB.pep:\*  
10: /cgn2\_6/ptodata/2/pubpaa/US09C\_PUBCOMB.pep:\*  
11: /cgn2\_6/ptodata/2/pubpaa/US09C\_NEW\_PUB.pep:\*  
12: /cgn2\_6/ptodata/2/pubpaa/US10\_PUBCOMB.pep:\*  
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14: /cgn2\_6/ptodata/2/pubpaa/US10C\_PUBCOMB.pep:\*  
15: /cgn2\_6/ptodata/2/pubpaa/US10C\_PUBCOMB.pep:\*  
16: /cgn2\_6/ptodata/2/pubpaa/US10C\_NEW\_PUB.pep:\*  
17: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep:\*  
18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	496	100.0	95	9	US-09-110-716-31
2	496	100.0	95	10	US-09-985-911-6
3	496	100.0	95	12	US-10-119-431-27
4	496	100.0	95	15	US-10-097-340-187
5	496	100.0	95	15	US-10-177-293-280
6	408	82.3	77	9	US-09-110-716-13
7	393.5	79.3	76	9	US-09-110-716-40
8	283	57.1	93	12	US-10-216-163-58
9	283	57.1	93	12	US-10-218-765-58
10	283	57.1	93	12	US-10-219-063-58
11	283	57.1	93	12	US-10-219-066-58
12	283	57.1	93	12	US-10-219-067-58
13	283	57.1	93	12	US-10-219-068-58
14	283	57.1	93	12	US-10-219-069-58
15	283	57.1	93	12	US-10-219-073-58

16	283	57.1	93	12	US-10-219-475-58	Sequence 58, Appl
17	283	57.1	93	12	US-10-219-480-58	Sequence 58, Appl
18	283	57.1	93	12	US-10-219-483-58	Sequence 58, Appl
19	283	57.1	93	12	US-10-219-525-58	Sequence 58, Appl
20	283	57.1	93	12	US-10-219-526-58	Sequence 58, Appl
21	283	57.1	93	12	US-10-219-530-58	Sequence 58, Appl
22	283	57.1	93	12	US-10-219-531-58	Sequence 58, Appl
23	283	57.1	93	12	US-10-219-532-58	Sequence 58, Appl
24	283	57.1	93	12	US-10-219-533-58	Sequence 58, Appl
25	283	57.1	93	12	US-10-230-437-58	Sequence 58, Appl
26	283	57.1	93	12	US-10-232-228-58	Sequence 58, Appl
27	283	57.1	93	15	US-10-227-884-58	Sequence 58, Appl
28	283	57.1	93	15	US-10-230-163-58	Sequence 58, Appl
29	283	57.1	93	15	US-10-230-338-58	Sequence 58, Appl
30	283	57.1	93	15	US-10-218-631-58	Sequence 58, Appl
31	283	57.1	93	15	US-10-230-414-58	Sequence 58, Appl
32	283	57.1	93	15	US-10-216-159A-58	Sequence 58, Appl
33	283	57.1	93	15	US-10-218-849-58	Sequence 58, Appl
34	283	57.1	93	15	US-10-227-873-58	Sequence 58, Appl
35	283	57.1	93	15	US-10-227-883-58	Sequence 58, Appl
36	283	57.1	93	15	US-10-219-076-58	Sequence 58, Appl
37	283	57.1	93	15	US-10-230-434-58	Sequence 58, Appl
38	283	57.1	93	15	US-10-219-003-58	Sequence 58, Appl
39	283	57.1	93	15	US-10-219-075-58	Sequence 58, Appl
40	283	57.1	93	15	US-10-219-464-58	Sequence 58, Appl
41	283	57.1	93	15	US-10-219-466-58	Sequence 58, Appl
42	283	57.1	93	15	US-10-219-479-58	Sequence 58, Appl
43	283	57.1	93	15	US-10-219-481-58	Sequence 58, Appl
44	283	57.1	93	15	US-10-230-260-58	Sequence 58, Appl
45	283	57.1	93	15	US-10-232-231-58	Sequence 58, Appl

## ALIGNMENTS

RESULT 1  
US-09-110-716-31  
Sequence 31, Application US/09110716A  
Patent No. US20020034739A1  
GENERAL INFORMATION:  
APPLICANT: Lehrer, Robert I.  
APPLICANT: Zhao, Chengquan  
APPLICANT: Glasgow, Benjamin J.  
TITLE OF INVENTION: PEPTIDES CHARACTERISTIC OF CERTAIN TUMORS  
FILE REFERENCE: 22000-20596.00  
CURRENT APPLICATION NUMBER: US/09/110,716A  
CURRENT FILING DATE: 1998-07-07  
NUMBER OF SEQ ID NOS: 41  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 31  
LENGTH: 95  
TYPE: PRT  
ORGANISM: lipophilin C  
US-09-110-716-31

Query Match 100.0%, Score 496, DB 9, Length 95;  
Best Local Similarity 100.0%, Pred. No. 4.5e-50;  
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MKLWMLMALHLHCYADSGCKLEDMVEKTTISDSISPEYKELQEFIDSDAAEAMG 60  
DB 1 MKLWMLMALHLHCYADSGCKLEDMVEKTTISDSISPEYKELQEFIDSDAAEAMG 60  
QY 61 KFRQCFLNQSHRKLKNGFGLMHTVYDSICMKN 95  
DB 61 KFRQCFLNQSHRKLKNGFGLMHTVYDSICMKN 95  
RESULT 2  
US-09-985-911-6  
Sequence 6, Application US/09985911  
Patent No. US20020151012A1  
GENERAL INFORMATION:

APPLICANT: NI ET AL.  
TITLE OF INVENTION: HUMAN ENDOMETRIAL SPECIFIC STEROID-BINDING FACTOR I, II AND III  
FILE REFERENCE: PF257D3  
CURRENT APPLICATION NUMBER: US/09/985,911  
CURRENT FILING DATE: 2001-11-06  
PRIOR APPLICATION NUMBER: 09/583,169  
PRIOR FILING DATE: 2000-05-30  
PRIOR APPLICATION NUMBER: 09/263,810  
PRIOR FILING DATE: 1999-03-08  
PRIOR APPLICATION NUMBER: 08/821,451  
PRIOR FILING DATE: 1997-03-21  
PRIOR APPLICATION NUMBER: 60/014,724  
PRIOR FILING DATE: 1996-03-21  
NUMBER OF SEQ ID NOS: 27  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO: 6  
LENGTH: 95  
TYPE: PRT  
ORGANISM: human  
US-09-985-911-6

Query Match 100.0%; Score 496; DB 10; Length 95;  
Best Local Similarity 100.0%; Pred. No. 4.5e-50;  
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MKLWVLMALALLHCYADSGCKLIEDMVEKTIINSISPEYKELLOEFIDSDAAAEANG 60  
Db 1 MKLWVLMALALLHCYADSGCKLIEDMVEKTIINSISPEYKELLOEFIDSDAAAEANG 60  
Qy 61 KFKQCFLNQSHRTLNKFGLMHTVYDSIWCNMSN 95  
Db 61 KFKQCFLNQSHRTLNKFGLMHTVYDSIWCNMSN 95

RESULT 3  
US-10-119-431-27  
Sequence 27, Application US/10119431  
Publication No. US20030152939A1  
GENERAL INFORMATION:  
APPLICANT: Smithson, Glenda  
APPLICANT: Zhong, Mei  
APPLICANT: Khramtsov, Nikolai  
APPLICANT: Li, Li  
APPLICANT: Gusev, Vladimir  
APPLICANT: Padigar, Muralidhara  
APPLICANT: Anderson, David  
APPLICANT: Shinkete, Richard A.  
TITLE OF INVENTION: NOVEL SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING  
TITLE OF INVENTION: THEM  
FILE REFERENCE: Cura-29 CIP1  
CURRENT APPLICATION NUMBER: US/10/119,431  
CURRENT FILING DATE: 2002-11-15  
PRIOR APPLICATION NUMBER: 60/103,195  
PRIOR FILING DATE: 1998-10-06  
PRIOR APPLICATION NUMBER: 60/282,548  
PRIOR FILING DATE: 2001-04-09  
PRIOR APPLICATION NUMBER: 09/412,231  
PRIOR FILING DATE: 1999-10-05  
NUMBER OF SEQ ID NOS: 46  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO: 27  
LENGTH: 95  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-119-431-27

Query Match 100.0%; Score 496; DB 12; Length 95;  
Best Local Similarity 100.0%; Pred. No. 4.5e-50;  
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 MKLWVLMALALLHCYADSGCKLIEDMVEKTIINSISPEYKELLOEFIDSDAAAEANG 60

Db 1 MKLWVLMALALLHCYADSGCKLIEDMVEKTIINSISPEYKELLOEFIDSDAAAEANG 60  
Qy 61 KFKQCFLNQSHRTLNKFGLMHTVYDSIWCNMSN 95  
Db 61 KFKQCFLNQSHRTLNKFGLMHTVYDSIWCNMSN 95

RESULT 4  
US-10-097-340-187  
Sequence 187, Application US/10097340  
Publication No. US20030087250A1  
GENERAL INFORMATION:  
APPLICANT: John MONAHAN  
APPLICANT: Manjula GANNANARAPU  
APPLICANT: Sebastian HOERSCHE  
APPLICANT: Shubhangi KAMATKAR  
APPLICANT: Steve G. KOVATS  
APPLICANT: Rachel E. MEYERS  
APPLICANT: Michael MORRISSEY  
APPLICANT: Peter OLANDT  
APPLICANT: Ami SEN  
APPLICANT: Peter VEIBY  
APPLICANT: Gordon B. MILLS  
APPLICANT: Robert C. BAST, Jr.  
APPLICANT: Karen LU  
APPLICANT: Rosemarie SCHMADT  
APPLICANT: Karen GIATT  
APPLICANT: Xumei ZHAO  
TITLE OF INVENTION: Nucleic Acid Molecules and Proteins For The Identification,  
FILE REFERENCE: MRI-030  
CURRENT APPLICATION NUMBER: US/10/097,340  
CURRENT FILING DATE: 2002-03-14  
PRIOR APPLICATION NUMBER: 60/276,025  
PRIOR FILING DATE: 2001-03-14  
PRIOR APPLICATION NUMBER: 60/325,149  
PRIOR FILING DATE: 2001-09-26  
PRIOR APPLICATION NUMBER: 60/276,026  
PRIOR FILING DATE: 2001-03-14  
PRIOR APPLICATION NUMBER: 60/324,967  
PRIOR FILING DATE: 2001/09/26  
PRIOR APPLICATION NUMBER: 60/311,732  
PRIOR FILING DATE: 2001-08-10  
PRIOR APPLICATION NUMBER: 60/325,102  
PRIOR FILING DATE: 2001-09-26  
PRIOR APPLICATION NUMBER: 60/323,580  
PRIOR FILING DATE: 2001-09-19  
NUMBER OF SEQ ID NOS: 363  
SOFTWARE: PasteSeq for Windows Version 4.0  
SEQ ID NO: 187  
LENGTH: 95  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-097-340-187

Query Match 100.0%; Score 496; DB 15; Length 95;  
Best Local Similarity 100.0%; Pred. No. 4.5e-50;  
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MKLWVLMALALLHCYADSGCKLIEDMVEKTIINSISPEYKELLOEFIDSDAAAEANG 60  
Db 1 MKLWVLMALALLHCYADSGCKLIEDMVEKTIINSISPEYKELLOEFIDSDAAAEANG 60  
Qy 61 KFKQCFLNQSHRTLNKFGLMHTVYDSIWCNMSN 95  
Db 61 KFKQCFLNQSHRTLNKFGLMHTVYDSIWCNMSN 95

RESULT 5  
US-10-177-293-280  
Sequence 280, Application US/10177293  
Publication No. US2003012418A1  
GENERAL INFORMATION:

```

; APPLICANT: Lillie, James
; APPLICANT: Glatc, Karen
; APPLICANT: Zhao, Xumei
; APPLICANT: Gannavarpu, Manjula
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Mertens, Maureen
; APPLICANT: Myer, Vic
; APPLICANT: Wang, Youzhen
; APPLICANT: Xu, Yongzao
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Monahan, John
; APPLICANT: Meyers, Rachel E.
; APPLICANT: Bast Jr., Robert C.
; APPLICANT: Hortobagyi, Gabriel N.
; APPLICANT: Pusztai, Lajos
; APPLICANT: Meric, Funda
; APPLICANT: Sahin, Aysegul
; APPLICANT: Miles, Gordon B.
; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,
; FILE REFERENCE: PREVENTION, AND THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-038
; CURRENT APPLICATION NUMBER: US/10/177,293
; PRIOR FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: US 60/399,887
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: US 60/301,572
; PRIOR FILING DATE: 2001-06-27
; PRIOR APPLICATION NUMBER: US 60/306,501
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: US 60/325,002
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US 60/362,585
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/xxx,xxx
; PRIOR FILING DATE: 2002-05-14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 280
; LENGTH: 95
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-177-293-280

Query Match          100.0%; Score 496; DB 15; Length 95;
Best Local Similarity 100.0%; Pred. No. 4.5e-50;
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 MKLIMVMTALALHGYADSGCKLEDMWEKINSIDISPEYKELLOEFTIDSDAAAEAMG 60
Db 1 MKLIMVMTALALHGYADSGCKLEDMWEKINSIDISPEYKELLOEFTIDSDAAAEAMG 60

Cy 61 KFKQCFINQSHRTLKNFGJMMHTVYDSIWCNKS 95
Db 61 KFKQCFINQSHRTLKNFGJMMHTVYDSIWCNKS 95

RESULT 6
US-09-110-716-13
; Sequence 13, Application US/09110716A
; Patent No. US20020034739A1
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Zhao, Chengquan
; APPLICANT: Glasgow, Benjamin J.
; TITLE OF INVENTION: PEPTIDES CHARACTERISTIC OF CERTAIN TUMORS
; FILE REFERENCE: 22000-20596.00
; CURRENT APPLICATION NUMBER: US/09/110,716A
; CURRENT FILING DATE: 1998-07-07
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 13
; LENGTH: 77
; TYPE: PRT

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; ORGANISM: lipophilin C
US-09-110-716-13

Query Match          82.3%; Score 408; DB 9; Length 77;
Best Local Similarity 100.0%; Pred. No. 5.8e-40;
Matches 77; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 19 DSGCKLEDMWEKINSIDISPEYKELLOEFTIDSDAAAEAMGKFCFLNQSHTLKNFG 78
Db 1 DSGCKLEDMWEKINSIDISPEYKELLOEFTIDSDAAAEAMGKFCFLNQSHTLKNFG 60

Cy 79 LMNHTVYDSIWCNKS 95
Db 61 LMNHTVYDSIWCNKS 77

RESULT 7
US-09-110-716-40
; Sequence 40, Application US/09110716A
; Patent No. US20020034739A1
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Zhao, Chengquan
; APPLICANT: Glasgow, Benjamin J.
; TITLE OF INVENTION: PEPTIDES CHARACTERISTIC OF CERTAIN TUMORS
; FILE REFERENCE: 22000-20596.00
; CURRENT APPLICATION NUMBER: US/09/110,716A
; CURRENT FILING DATE: 1998-07-07
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 40
; LENGTH: 76
; TYPE: PRT
; ORGANISM: Lpnc
US-09-110-716-40

Query Match          79.3%; Score 393.5; DB 9; Length 76;
Best Local Similarity 98.7%; Pred. No. 2.7e-38;
Matches 76; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Cy 19 DSGCKLEDMWEKINSIDISPEYKELLOEFTIDSDAAAEAMGKFCFLNQSHTLKNFG 78
Db 1 DSGCKLEDMWEKINSIDISPEYKELLOEFTIDSDAAAEAMGKFCFLNQSHTLKNFG 60

Cy 79 LMNHTVYDSIWCNKS 95
Db 61 LMNHTVYDSIWCNKS 76

RESULT 8
US-10-216-163-58
; Sequence 58, Application US/10216163
; Publication No. US20030149239A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Destoyers, Luc
; APPLICANT: Gerltsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P13
; CURRENT APPLICATION NUMBER: US/10/216,163
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113

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PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/062287  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/063549  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/064103  
PRIOR FILING DATE: 1997-10-31  
PRIOR APPLICATION NUMBER: 60/069873  
PRIOR FILING DATE: 1997-12-17  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/079294  
PRIOR FILING DATE: 1998-03-25  
PRIOR APPLICATION NUMBER: 60/079656  
PRIOR FILING DATE: 1998-03-26  
PRIOR APPLICATION NUMBER: 60/079728  
PRIOR FILING DATE: 1998-03-27  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 246  
SEQ ID NO 58  
LENGTH: 93  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-216-163-58

Query Match 57.1%; Score 283; DB 12; Length 93;  
Best Local Similarity 57.8%; Pred. No. 2,46-25; Mismatches 18; Indels 0; Gaps 0;  
Matches 52; Conservative 20;

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DB 1 MKVWVLLLAALPIVCYAGSGCVLLESVEKTIIPSPSVVEYRADQRFIDTEQTAAYE 60  
OY 1 KFNQCTLNQSHRTLNKFGLMHTVYDSIWC 90  
DB 61 EFKECFLSQSNETLANFRWHTVYDSLVC 90

RESULT 9  
US-10-218-765-58  
Sequence 58, Application US/10218765  
Publication No. US20030187201A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Desnoyers, Luc  
APPLICANT: Geritsen, Mary  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Guiney, Auerfin L.  
APPLICANT: Smith, Victoria  
APPLICANT: Stephan, Jean-Philippe F.  
APPLICANT: Wood, William I.  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3530PIC19  
CURRENT APPLICATION NUMBER: US/10/218,765  
PRIOR FILING DATE: 2002-08-12  
PRIOR APPLICATION NUMBER: 10/119,490  
PRIOR FILING DATE: 2002-04-09  
PRIOR APPLICATION NUMBER: 60/059113  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/062287  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/063549  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/064103  
PRIOR FILING DATE: 1997-10-31  
PRIOR APPLICATION NUMBER: 60/069873  
PRIOR FILING DATE: 1997-12-17  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20

PRIOR APPLICATION NUMBER: 60/079294  
PRIOR FILING DATE: 1998-03-25  
PRIOR APPLICATION NUMBER: 60/079656  
PRIOR FILING DATE: 1998-03-26  
PRIOR APPLICATION NUMBER: 60/079728  
PRIOR FILING DATE: 1998-03-27  
PRIOR APPLICATION NUMBER: 60/081819  
PRIOR FILING DATE: 1998-04-15  
PRIOR APPLICATION NUMBER: 60/081955  
PRIOR FILING DATE: 1998-04-15  
PRIOR APPLICATION NUMBER: 60/082804  
PRIOR FILING DATE: 1998-04-22  
PRIOR APPLICATION NUMBER: 60/084441  
PRIOR FILING DATE: 1998-05-06  
PRIOR APPLICATION NUMBER: 60/085323  
PRIOR FILING DATE: 1998-05-13  
PRIOR APPLICATION NUMBER: 60/085579  
PRIOR FILING DATE: 1998-05-15  
PRIOR APPLICATION NUMBER: 60/086392  
PRIOR FILING DATE: 1998-05-22  
PRIOR APPLICATION NUMBER: 60/089532  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089538  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089905  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/090472  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090557  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090691  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090695  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/091982  
PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/095302  
PRIOR FILING DATE: 1998-08-04  
PRIOR APPLICATION NUMBER: 60/095318  
PRIOR FILING DATE: 1998-08-04  
PRIOR APPLICATION NUMBER: 60/095916  
PRIOR FILING DATE: 1998-08-10  
PRIOR APPLICATION NUMBER: 60/096146  
PRIOR FILING DATE: 1998-08-11  
PRIOR APPLICATION NUMBER: 60/096791  
PRIOR FILING DATE: 1998-08-17  
PRIOR APPLICATION NUMBER: 60/097986  
PRIOR FILING DATE: 1998-08-26  
PRIOR APPLICATION NUMBER: 60/098544  
PRIOR FILING DATE: 1998-08-31  
PRIOR APPLICATION NUMBER: 60/099596  
PRIOR FILING DATE: 1998-09-09  
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PRIOR APPLICATION NUMBER: 60/099803  
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PRIOR FILING DATE: 1998-09-10  
PRIOR APPLICATION NUMBER: 60/099812  
PRIOR FILING DATE: 1998-09-10  
PRIOR APPLICATION NUMBER: 60/099816  
PRIOR FILING DATE: 1998-09-10  
PRIOR APPLICATION NUMBER: 60/100038  
PRIOR FILING DATE: 1998-09-11  
PRIOR APPLICATION NUMBER: 60/100385  
PRIOR FILING DATE: 1998-09-15  
PRIOR APPLICATION NUMBER: 60/100390  
PRIOR FILING DATE: 1998-09-15  
PRIOR APPLICATION NUMBER: 60/100627  
PRIOR FILING DATE: 1998-09-16  
PRIOR APPLICATION NUMBER: 60/100848  
PRIOR FILING DATE: 1998-09-18  
PRIOR APPLICATION NUMBER: 60/100919



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 PRIOR APPLICATION NUMBER: 60/101477  
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 PRIOR FILING DATE: 1998-09-24  
 PRIOR APPLICATION NUMBER: 60/106178  
 PRIOR FILING DATE: 1998-10-28  
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 PRIOR APPLICATION NUMBER: 60/106905  
 PRIOR FILING DATE: 1998-11-03  
 PRIOR APPLICATION NUMBER: 60/108787  
 PRIOR FILING DATE: 1998-11-17  
 PRIOR APPLICATION NUMBER: 60/108801  
 PRIOR FILING DATE: 1998-11-17  
 PRIOR APPLICATION NUMBER: 60/108849  
 PRIOR FILING DATE: 1998-11-18  
 PRIOR APPLICATION NUMBER: 60/112422  
 PRIOR FILING DATE: 1998-12-15  
 PRIOR APPLICATION NUMBER: 60/113296  
 PRIOR FILING DATE: 1998-12-22  
 PRIOR APPLICATION NUMBER: 60/113605  
 PRIOR FILING DATE: 1998-12-23  
 PRIOR APPLICATION NUMBER: 60/113621  
 PRIOR FILING DATE: 1998-12-23  
 PRIOR APPLICATION NUMBER: 60/115558  
 PRIOR FILING DATE: 1999-01-12  
 PRIOR APPLICATION NUMBER: 60/115565  
 PRIOR FILING DATE: 1999-01-12  
 PRIOR APPLICATION NUMBER: 60/115733  
 PRIOR FILING DATE: 1999-01-12  
 PRIOR APPLICATION NUMBER: 60/119549  
 PRIOR FILING DATE: 1999-02-10  
 PRIOR APPLICATION NUMBER: 60/123618  
 PRIOR FILING DATE: 1999-03-10  
 PRIOR APPLICATION NUMBER: 60/125259  
 PRIOR FILING DATE: 1999-03-19  
 PRIOR APPLICATION NUMBER: 60/125775  
 PRIOR FILING DATE: 1999-03-23  
 PRIOR APPLICATION NUMBER: 60/126773  
 PRIOR FILING DATE: 1999-03-29  
 PRIOR APPLICATION NUMBER: 60/127887  
 PRIOR FILING DATE: 1999-04-05  
 PRIOR APPLICATION NUMBER: 60/130232  
 PRIOR FILING DATE: 1999-04-21  
 PRIOR APPLICATION NUMBER: 60/131022  
 PRIOR FILING DATE: 1999-04-26  
 PRIOR APPLICATION NUMBER: 60/131270  
 PRIOR FILING DATE: 1999-04-27  
 PRIOR APPLICATION NUMBER: 60/131291  
 PRIOR FILING DATE: 1999-04-27  
 PRIOR APPLICATION NUMBER: 60/131445  
 PRIOR FILING DATE: 1999-04-28  
 PRIOR APPLICATION NUMBER: 60/134287  
 PRIOR FILING DATE: 1999-05-14  
 PRIOR APPLICATION NUMBER: 60/140650  
 PRIOR FILING DATE: 1999-06-22  
 PRIOR APPLICATION NUMBER: 60/140723  
 PRIOR FILING DATE: 1999-06-22  
 PRIOR APPLICATION NUMBER: 60/141037  
 PRIOR FILING DATE: 1999-06-23  
 PRIOR APPLICATION NUMBER: 60/144758  
 PRIOR FILING DATE: 1999-07-20

PRIOR APPLICATION NUMBER: 60/145698  
 PRIOR FILING DATE: 1999-07-26  
 PRIOR APPLICATION NUMBER: 60/146222  
 PRIOR FILING DATE: 1999-07-28  
 PRIOR APPLICATION NUMBER: 60/146963  
 PRIOR FILING DATE: 1999-08-03  
 PRIOR APPLICATION NUMBER: 60/149320  
 PRIOR FILING DATE: 1999-08-17  
 PRIOR APPLICATION NUMBER: 60/149638  
 PRIOR FILING DATE: 1999-08-17  
 PRIOR APPLICATION NUMBER: 60/151733  
 PRIOR FILING DATE: 1999-08-31  
 PRIOR APPLICATION NUMBER: 60/164418  
 PRIOR FILING DATE: 1999-11-09  
 PRIOR APPLICATION NUMBER: 60/166361  
 PRIOR FILING DATE: 1999-11-16  
 PRIOR APPLICATION NUMBER: 60/169445  
 PRIOR FILING DATE: 1999-12-07  
 PRIOR APPLICATION NUMBER: 60/169495  
 PRIOR FILING DATE: 1999-12-07  
 PRIOR APPLICATION NUMBER: 60/169835

Query Match 57.1%; Score 283; DB 12; Length 93;  
 Best Local Similarity 57.8%; Pred. No. 2.4e-25;  
 Matches 52; Conservative 20; Mismatches 18; Indels 0; Gaps 0;

Qy 1 MLLMWTALALLHCYADSCCKLEDVEXTINSIDISPEYKLLQEFIDSDAAEAWG 60  
 Db 1 MKYVWVLLAALPLCYAGSGCVLLSEVEXTIDPSVSEYVADLQRFIDTEBAVE 60

Qy 61 KFKCFQNSHRTLNKFGMLMHTVYDSIWC 90  
 Db 61 EKECFQSNETLANFRVWHTYDSIWC 90

RESULT 10  
 US-10-219-063-58  
 Sequence 58, Application US/10219063  
 Publication No. US20030187202A1  
 GENERAL INFORMATION:  
 APPLICANT: Baker, Kevin P.  
 APPLICANT: Desnoyers, Luc  
 APPLICANT: Geritssen, Mary  
 APPLICANT: Goddard, Audrey  
 APPLICANT: Godowski, Paul J.  
 APPLICANT: Grimaldi, J. Christopher  
 APPLICANT: Gurney, Austin L.  
 APPLICANT: Smith, Victoria  
 APPLICANT: Stephan, Jean-Philippe F.  
 APPLICANT: Watanabe, Colin L.  
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 FILE REFERENCE: P3530P1C24  
 CURRENT APPLICATION NUMBER: US/10/219,063  
 CURRENT FILING DATE: 2002-08-13  
 PRIOR APPLICATION NUMBER: 10/119,480  
 PRIOR FILING DATE: 2002-04-09  
 PRIOR APPLICATION NUMBER: 60/059113  
 PRIOR FILING DATE: 1997-09-17  
 PRIOR APPLICATION NUMBER: 60/062287  
 PRIOR FILING DATE: 1997-10-17  
 PRIOR APPLICATION NUMBER: 60/063549  
 PRIOR FILING DATE: 1997-10-28  
 PRIOR APPLICATION NUMBER: 60/064103  
 PRIOR FILING DATE: 1997-10-31  
 PRIOR APPLICATION NUMBER: 60/069873  
 PRIOR FILING DATE: 1997-12-17  
 PRIOR APPLICATION NUMBER: 60/078910  
 PRIOR FILING DATE: 1998-03-20  
 PRIOR APPLICATION NUMBER: 60/079294  
 PRIOR FILING DATE: 1998-03-25  
 PRIOR APPLICATION NUMBER: 60/079656

PRIOR FILING DATE: 1998-03-26  
PRIOR APPLICATION NUMBER: 60/079728  
PRIOR FILING DATE: 1998-03-27  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 246  
SEQ ID NO 58  
LENGTH: 93  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-219-063-58

Query Match 57.1%; Score 283; DB 12; Length 93;  
Best Local Similarity 57.8%; Pred. No. 2.4e-25;  
Matches 52; Conservative 20; Mismatches 18; Indels 0; Gaps 0;

QY 1 MKLWMLAALLHCYADSGCKLEDMVEKTI NSDISPEYKELLQEFIDSDAAAEANG 60  
DB 1 MKVWVLLAALPLCYAGSGCVLLESVEKTI DPSSVEYKADLQRFIDTEGEAAVE 60  
QY 61 KFKQCFINOSHRTLNFGMLMHTVYDSIMC 90  
DB 61 EFKECFISQSNETLANFRVWHTIYDSLVC 90

## RESULT 11

US-10-219-066-58  
Sequence 58, Application US/10219066  
Publication No. US20030187203A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Desnoyers, Luc  
APPLICANT: Geritsen, Mary  
APPLICANT: Goddard, Audrey  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Smith, Victoria  
APPLICANT: Stephan, Jean-Philippe F.  
APPLICANT: Watanabe, Colin L.  
APPLICANT: Wood, William I.  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
TITLE OF INVENTION: ACIDS ENCODING THE SAME  
FILE REFERENCE: P3530PIC27  
CURRENT APPLICATION NUMBER: US/10/219.066  
CURRENT FILING DATE: 2002-08-13  
PRIOR APPLICATION NUMBER: 10/119,480  
PRIOR FILING DATE: 2002-04-09  
PRIOR APPLICATION NUMBER: 60/059113  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/062287  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/063549  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/064103  
PRIOR FILING DATE: 1997-10-31  
PRIOR APPLICATION NUMBER: 60/069873  
PRIOR FILING DATE: 1997-12-17  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/079294  
PRIOR FILING DATE: 1998-03-25  
PRIOR APPLICATION NUMBER: 60/079656  
PRIOR FILING DATE: 1998-03-26  
PRIOR APPLICATION NUMBER: 60/079728  
PRIOR FILING DATE: 1998-03-27  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 246  
SEQ ID NO 58  
LENGTH: 93  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-219-066-58

Query Match 57.1%; Score 283; DB 12; Length 93;  
Best Local Similarity 57.8%; Pred. No. 2.4e-25;  
Matches 52; Conservative 20; Mismatches 18; Indels 0; Gaps 0;  
QY 1 MKLWMLAALLHCYADSGCKLEDMVEKTI NSDISPEYKELLQEFIDSDAAAEANG 60  
DB 1 MKVWVLLAALPLCYAGSGCVLLESVEKTI DPSSVEYKADLQRFIDTEGEAAVE 60  
QY 61 KFKQCFINOSHRTLNFGMLMHTVYDSIMC 90  
DB 61 EFKECFISQSNETLANFRVWHTIYDSLVC 90

## RESULT 12

US-10-219-067-58  
Sequence 58, Application US/10219067  
Publication No. US20030187204A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Desnoyers, Luc  
APPLICANT: Geritsen, Mary  
APPLICANT: Goddard, Audrey  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Smith, Victoria  
APPLICANT: Stephan, Jean-Philippe F.  
APPLICANT: Watanabe, Colin L.  
APPLICANT: Wood, William I.  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
TITLE OF INVENTION: ACIDS ENCODING THE SAME  
FILE REFERENCE: P3530PIC51  
CURRENT APPLICATION NUMBER: US/10/219.067  
CURRENT FILING DATE: 2002-08-14  
PRIOR APPLICATION NUMBER: 10/119,480  
PRIOR FILING DATE: 2002-04-09  
PRIOR APPLICATION NUMBER: 60/059113  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/062287  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/063549  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/064103  
PRIOR FILING DATE: 1997-10-31  
PRIOR APPLICATION NUMBER: 60/069873  
PRIOR FILING DATE: 1997-12-17  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/079294  
PRIOR FILING DATE: 1998-03-25  
PRIOR APPLICATION NUMBER: 60/079656  
PRIOR FILING DATE: 1998-03-26  
PRIOR APPLICATION NUMBER: 60/079728  
PRIOR FILING DATE: 1998-03-27  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 246  
SEQ ID NO 58  
LENGTH: 93  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-219-067-58

Query Match 57.1%; Score 283; DB 12; Length 93;  
Best Local Similarity 57.8%; Pred. No. 2.4e-25;  
Matches 52; Conservative 20; Mismatches 18; Indels 0; Gaps 0;

QY 1 MKLWMLAALLHCYADSGCKLEDMVEKTI NSDISPEYKELLQEFIDSDAAAEANG 60  
DB 1 MKVWVLLAALPLCYAGSGCVLLESVEKTI DPSSVEYKADLQRFIDTEGEAAVE 60  
QY 61 KFKQCFINOSHRTLNFGMLMHTVYDSIMC 90  
DB 61 EFKECFISQSNETLANFRVWHTIYDSLVC 90

```

RESULT 13
US-10-219-068-58
Sequence 58, Application US/10219068
Publication No. US20030187205A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Geritsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3530P1C31
CURRENT FILING DATE: 2002-08-13
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR FILING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/062287
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/064103
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/069873
PRIOR FILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 246
SEQ ID NO 58
LENGTH: 93
TYPE: PRT
ORGANISM: Homo Sapien
US-10-219-068-58

Query Match      57.1%; Score 283; DB 12; Length 93;
Best Local Similarity 57.8%; Pred. No. 2.4e-25;
Matches 52; Conservative 20; Mismatches 18; Indels 0; Gaps 0;

OY 1 MKLWVLMALALHGYADSGCKLEDMVEKTIKSDISIEYKELLOEFIDSPAAAEANG 60
DB 1 MKVWVLLALALPLCYAGSGCVLLESVEKTIKPSVSEYKADLQRFIDTEQTEAAVE 60

OY 61 KEKQCFLNSHRTLNFGMLMHTVYDSIWC 90
DB 61 EFKECFLSQSNETLANFRVMVHTIYDSIYC 90

RESULT 14
US-10-219-069-58
Sequence 58, Application US/10219069
Publication No. US20030187206A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Geritsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3530P1C32
CURRENT FILING DATE: 2002-08-13
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR FILING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/062287
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/064103
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/069873
PRIOR FILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 246
SEQ ID NO 58
LENGTH: 93
TYPE: PRT
ORGANISM: Homo Sapien
US-10-219-069-58

Query Match      57.1%; Score 283; DB 12; Length 93;
Best Local Similarity 57.8%; Pred. No. 2.4e-25;
Matches 52; Conservative 20; Mismatches 18; Indels 0; Gaps 0;

OY 1 MKLWVLMALALHGYADSGCKLEDMVEKTIKSDISIEYKELLOEFIDSPAAAEANG 60
DB 1 MKVWVLLALALPLCYAGSGCVLLESVEKTIKPSVSEYKADLQRFIDTEQTEAAVE 60

OY 61 KEKQCFLNSHRTLNFGMLMHTVYDSIWC 90
DB 61 EFKECFLSQSNETLANFRVMVHTIYDSIYC 90

```

```

APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3530P1C40
CURRENT FILING DATE: 2002-08-13
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR FILING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/062287
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/064103
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/069873
PRIOR FILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 246
SEQ ID NO 58
LENGTH: 93
TYPE: PRT
ORGANISM: Homo Sapien
US-10-219-069-58

Query Match      57.1%; Score 283; DB 12; Length 93;
Best Local Similarity 57.8%; Pred. No. 2.4e-25;
Matches 52; Conservative 20; Mismatches 18; Indels 0; Gaps 0;

OY 1 MKLWVLMALALHGYADSGCKLEDMVEKTIKSDISIEYKELLOEFIDSPAAAEANG 60
DB 1 MKVWVLLALALPLCYAGSGCVLLESVEKTIKPSVSEYKADLQRFIDTEQTEAAVE 60

OY 61 KEKQCFLNSHRTLNFGMLMHTVYDSIWC 90
DB 61 EFKECFLSQSNETLANFRVMVHTIYDSIYC 90

RESULT 15
US-10-219-073-58
Sequence 58, Application US/10219073
Publication No. US20030187207A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Geritsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3530P1C52
CURRENT FILING DATE: 2002-08-13
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR FILING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/062287
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/064103
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/069873
PRIOR FILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 246
SEQ ID NO 58
LENGTH: 93
TYPE: PRT
ORGANISM: Homo Sapien
US-10-219-073-58

Query Match      57.1%; Score 283; DB 12; Length 93;
Best Local Similarity 57.8%; Pred. No. 2.4e-25;
Matches 52; Conservative 20; Mismatches 18; Indels 0; Gaps 0;

OY 1 MKLWVLMALALHGYADSGCKLEDMVEKTIKSDISIEYKELLOEFIDSPAAAEANG 60
DB 1 MKVWVLLALALPLCYAGSGCVLLESVEKTIKPSVSEYKADLQRFIDTEQTEAAVE 60

OY 61 KEKQCFLNSHRTLNFGMLMHTVYDSIWC 90
DB 61 EFKECFLSQSNETLANFRVMVHTIYDSIYC 90

```

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/ CURRENT FILING DATE: 2002-08-14
/ PRIOR APPLICATION NUMBER: 10/119,480
/ PRIOR FILING DATE: 2002-04-09
/ PRIOR APPLICATION NUMBER: 60/059113
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/062287
/ PRIOR FILING DATE: 1997-10-17
/ PRIOR APPLICATION NUMBER: 60/063549
/ PRIOR FILING DATE: 1997-10-28
/ PRIOR APPLICATION NUMBER: 60/064103
/ PRIOR FILING DATE: 1997-10-31
/ PRIOR APPLICATION NUMBER: 60/069873
/ PRIOR FILING DATE: 1997-12-17
/ PRIOR APPLICATION NUMBER: 60/078910
/ PRIOR FILING DATE: 1998-03-20
/ PRIOR APPLICATION NUMBER: 60/079294
/ PRIOR FILING DATE: 1998-03-25
/ PRIOR APPLICATION NUMBER: 60/079656
/ PRIOR FILING DATE: 1998-03-26
/ PRIOR APPLICATION NUMBER: 60/079728
/ PRIOR FILING DATE: 1998-03-27
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 246
/ SEQ ID NO 58
/ LENGTH: 93
/ TYPE: PRT
/ ORGANISM: Homo Sapien
/ US-10-219-073-58
```

```
Query Match 57.1%; Score 283; DB 12; Length 93;
Best Local Similarity 57.8%; Pred. No. 2,4e-25;
Matches 52; Conservative 20; Mismatches 18; Indels 0; Gaps 0;
```

```
QY 1 MKLLMVLMLAALLHCYADSGCKLLEDMVEKTIINSIDISIPYKELLOEFIDSDAAAEANG 60
   ||::||::||::||::||::||::||::||::||::||::||::||::||::||::||:
Db 1 MKVWVLLLAALPLCYAGSGCVLLSVVEKTVSVSVSEYKADLQRFIDTEQTEAVE 60
   ||::||::||::||::||::||::||::||::||::||::||::||::||::||::||:
QY 61 KFKQCFLNOSHRITLKNFCILMHTVYDSIWC 90
   ||::||::||::||::||::||::||::||::||::||::||::||::||::||::||:
Db 61 EFKECFLSOSNETLANFRVWHTIYDSLVC 90
   ||::||::||::||::||::||::||::||::||::||::||::||::||::||::||:
```

Search completed: October 30, 2003, 14:07:23  
Job time : 48 secs